

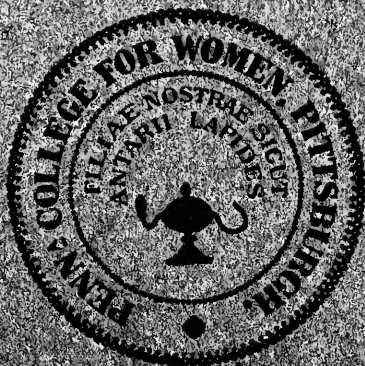


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Thirty-sixth Annual Catalogue

1905-1906

Pennsylvania
College for Women



THIRTY-SIXTH
ANNUAL CATALOGUE

Pennsylvania
College for Women

PITTSBURGH, PA.
1905-1906

T. B. & H. B. COCHEAN,
PRINTERS,
LANCASTER, PA.

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SPECIAL ANNOUNCEMENT.

We feel justified in calling attention at this time to the improved conditions and brighter outlook of Pennsylvania College for Women. For thirty-six years the college has maintained a high standard of scholarship and culture. It has enjoyed unusual advantages in its beautiful grounds and buildings, its excellent equipment and its convenient association with the great library, museum, and musical advantages of the Carnegie Institution.

But it has been seriously handicapped by lack of funds. The expense of maintaining a college of this grade is greater than can be met by the fees of the students. During the past year, the efforts of the president and board of trustees have been successful in securing a fund of nearly two hundred thousand dollars for the aid and endowment of the college. This sum is sufficient to clear off the debt, put our buildings and equipment in fine condition and provide about one hundred and twenty thousand dollars as the beginning of a permanent fund for the endowment of the college. We hope to see this fund largely augmented during the present year; but, even if it is not increased, it is sufficient to meet the pressing demands of the college and give the assurance not only of the permanence of the school but the maintenance of its high standard of scholarship.

This has given us the assurance of a great future for the college, and has enabled us to secure a President in whose wisdom and efficiency we have great confidence. Dr. Henry D. Lindsay, of Allegheny, has for some years been a member of our Board of Trustees and is therefore familiar with the college and its needs, and it is with great satisfaction that I resign into his competent hands the interests of the college I have loved and of whose future I have great confidence.

S. A. MARTIN, *Retiring President.*

CALENDAR.

1905.

19 Sept., Tuesday,	Entrance Examinations.
19 Sept., Tuesday,	First Semester Begins—Enrollment.
20 Sept., Wednesday,	Recitations Begin.
30 Nov., Thursday,	Thanksgiving Day.
21 Dec., Thursday, 12 M.,	Christmas Vacation Begins.

1906.

3 Jan., Wednesday,	Recitations Resumed.
29 Jan., Monday,	Midyear Examinations Begin.
5 Feb., Monday,	Second Semester Begins.
5 April, Thursday, 12 M.,	Spring Vacation Begins.
17 April Tuesday,	Recitations Resumed.
19 May, Saturday,	May Day Fête.
4 June, Monday,	Final Examinations Begin.
7 June, Thursday, 3 P. M.,	Closing Exercises of the Preparatory School.
7 June, Thursday, 8 P. M.,	Annual Concert.
8 June, Friday, 3 P. M.,	Alumnæ Meeting.
9 June, Saturday, 3 P. M.,	Class Day.
10 June, Sunday, 11 A. M.,	Baccalaureate Sermon.
11 June, Monday, 5 P. M.,	Commencement.
18 Sept., Tuesday,	Entrance Examinations.
18 Sept., Tuesday,	First Semester Begins—Enrollment.
19 Sept., Wednesday,	Recitations Begin.
29 Nov., Thursday,	Thanksgiving Day.
20 Dec., Thursday, 12 M.,	Christmas Vacation Begins.

1907.

3 Jan., Thursday,	Recitations Resumed.
28 Jan., Monday,	Midyear Examinations Begin.
4 Feb., Monday,	Second Semester Begins.
10 June, Monday,	Commencement.

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English Language and Literature.

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Greek.

LAURA CAROLINE GREEN, A. B.,
Latin.

JANET L. BROWNLEE,
Principal of Preparatory School.

*Dr. Martin retires June 30, 1906. See notice on page 4.

THE PENNSYLVANIA COLLEGE FOR WOMEN.

Pennsylvania College for Women is a Classical School for Young Women. Its aim is to give such instruction and discipline as shall best qualify its students for the duties and responsibilities of life. To develop character, to refine taste and promote sound learning is its purpose. To this end the course of studies generally known as the Classical Course is presented as fully and thoroughly as possible. It embraces Mathematics, Ancient and Modern Languages, Science, Philosophy and History, giving to each subject a due proportion of time to make the student familiar with the great fields of human knowledge and lay broad foundations of right thinking and just appreciation.

This Classical Course will continue to receive our best attention, and we hope to maintain the highest standard of exact and thorough scholarship. The formation of character is by far the most important part of education and the chief concern of a Christian college. Of course, it is true that morals and manners cannot be taught in classroom and by textbooks as mathematics or science is taught, but it is also true that the student can be so influenced by precept, example and associations that the results in culture and refinement and reverent habits of thought are as definite as the results in any other department of training. The religious culture of the student is regarded as of supreme importance. The training of the mind to

devotional habits and love of the Savior is recognized as the most important of all duties, and, while the College is not sectarian, it is distinctly and deeply religious.

The studies of Music and Fine Art are commended to those who have special talent in these arts, and the best instruction and equipment are provided for their cultivation. For students who cannot take a full classical course of study in addition to music we have marked out a special course of study, which includes a judicious selection of Literature, History, Science and Philosophy and yet leaves as much time for the study of Music or Art as can be profitably employed in these studies.

The location of the College is unequalled in the opportunities afforded for the study of either Music or Art.

The College is situated in the East End of Pittsburgh, about four miles from the City Hall, and in the centre of the choicest residence district which the city contains. It has convenient access by electric cars both to the business sections and the parks and suburbs. The campus is a finely shaded tract of about eight acres, embracing a hill crest on which the buildings are situated. The plot owned by the College is part of one many times as large, containing the homes of a few families of wealth. The only entrance to this tract is by a private road, and as there are no fences between the several properties, the College is practically located in a large private park, thus securing abundance of space and air, wide view, and opportunities for outdoor sports, combined with a delightful and wholesome privacy not easy to command in a great city. Indeed, it is safe to say that few situations

combine the advantages of city and country to a degree equal to that of the Pennsylvania College of Women.

The buildings of the College are large and handsome and well adapted to their purpose. They are so disposed as to receive the sunshine on all sides in the course of the day. Their position on a hill top makes them always dry. They are fitted with the best sanitary plumbing, heated by steam and lighted with gas. They are three in number, but so connected as practically to be one, so that no exposure to the weather is involved in passing from one to another. Berry Hall is mainly devoted to dormitories and public rooms for the use of the faculty and resident students, though it also contains the library, class-rooms and a large study hall. Dilworth Hall is chiefly devoted to the chapel and assembly hall, class-rooms, laboratories and art studio. The Music Hall contains a spacious gymnasium on the first floor, and on the second floor ample rooms for musical instruction and practice. The College can at present accommodate not more than one hundred resident students. As nearly all the members of the faculty live in the College there is made possible a frequency and closeness of contact between professors and students, and a community of interest approaching that which obtains in a well-ordered home, which, while not curtailing the reasonable liberty of the student, cannot fail to be of the highest advantage.

Among other benefits which accrue to the College by reason of its position in the heart of a great city is its nearness to the Carnegie Institute, with its splendid Library, containing 125,000 volumes; its Museum, rich in collections in zoology, paleontology, ethnography and the mechanic arts; its Art Gallery, which, besides maintaining a valuable permanent collection of paint-

ings, draws examples of the best work of living artists in this country and abroad to its annual prize exhibitions; and its fine Music Hall, at which are offered opportunities second to none in the land to hear the best music rendered by the most eminent artists of the world. The Institute can be reached from the College in fifteen minutes, and all its privileges, except those in music, and some even of these, may be freely enjoyed by the students.

REQUIREMENTS FOR ADMISSION.

Registration blanks are provided by the College for the use of applicants for admission, and will be forwarded upon request. These blanks, properly filled and signed, should be in the hands of the President by September 1st. A registration fee of five dollars will be charged. This will be credited on the first payment for tuition, or speedily refunded if notification of withdrawal is sent before August 15th. No student will be entered for examination or accepted on certificate before the payment of this fee.

All applicants for admission, whether to the Freshman Class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character. Those who come from other Colleges must also bring certificates of honorable dismissal. Admission to the Freshman Class may be gained either by examination or by presentation of certificate from an approved High School or Academy. Each of these methods is outlined below.

Admission on Examination.

Applicants for admission may be examined either during the week preceding Commencement or on September 19. Those who wish to be examined in June should notify the President before June 1st; those who wish to be examined in September, before September 12th.

Admission on Certificate.

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman Class without examination on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the President during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly the equivalents offered must be stated in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all the requirements. Students received on certificate are regarded as upon probation during the first semester, and those deficient in preparation may be dropped whenever the deficiency has been clearly demonstrated.

Admission to Advanced Standing.

Students seeking admission to an advanced grade may be examined in all prescribed studies antecedent to that grade, as well as in the elective studies neces-

sary for the full quota of hours, but credit will be given to such certificates as they bring from their previous instructors. No one is admitted to the Senior Class after the beginning of the second semester.

Admission to Special Courses.

Students may be received to take special studies for which their previous education has fitted them, but those who have not fulfilled all the requirements for matriculation must satisfy the Faculty as to their preparation for the courses they desire to pursue.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS.

I. Languages (Other Than English).

(1) **Latin.** (These requirements are based upon the recommendations of the American Philological Association.)

- a.* i. **LATIN GRAMMAR:** The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.
- ii. **LATIN COMPOSITION:** Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.
- b.* **CÆSAR:** Any four books of the *Gallic War*, preferably the first four.

- c. **CICERO:** Any seven orations from the following list, but preferably the first six mentioned (Manilian Law being accepted as the equivalent of two orations):

The four orations against Cataline, Archias, Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.

- d. **VERGIL:** The first six books of the *Æneid*.

Pronunciation after the Roman method is preferred. Equivalents will be accepted, but verse will not be considered a substitute for prose, nor will anything be accepted for translation of English into Latin. An examination in sight reading will be given.

For (b) may be substituted the work required in Course 2 in the Latin course of the Preparatory School. (See p. 57.)

(2) *If Physics be offered, a three years' course in one of the following languages, and if Physics be not offered, an additional course of at least one year in a second, is required.*

(a) **French.** The entrance requirements in French correspond to the three years' course offered in the Preparatory School. (See pages 61-62.)

The examination in French is intended to test the candidate's knowledge of pronunciation and ordinary grammatical forms as well as her power to read at sight ordinary French prose and verse. Three years, five hours per week, will be required for preparation, which should include constant exercise in translating English into French.

(b) **German.** The entrance requirements in German correspond to the three years' course offered in the Preparatory School. (See pages 62-63.)

An equivalent amount of reading will be accepted.

Students must be able to translate ordinarily difficult German at sight, and to translate simple connected prose from English into German.

A thorough knowledge of German grammar will be required, and the ability to express one's self in German and to follow a recitation conducted in that language.

Frequent practice is recommended in oral and written abstracts of texts read, and in memorizing selected passages.

(c) **Greek.** (These requirements are based upon the recommendations of the American Philological Association.)

a. i. **GREEK GRAMMAR:** The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

a. ii. **GREEK PROSE COMPOSITION,** consisting principally of detached sentences to test the candidate's knowledge of grammatical construction.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

b. **XENOPHON:** The first four books of the *Anabasis*.

c. **HOMER:** The first three books of the *Iliad* (omitting II., 494-end).

An examination in sight reading will be given, based on passages from the *Anabasis*.

II. English.

The requirements in English are those recommended by the Conference on Uniform Entrance Requirements in English for Middle States and Maryland.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

a. READING.—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. The candidate is expected to read intelligently all the books prescribed. She is not expected to know them minutely, but to have fresh in mind their most important parts. **In every case knowledge of the book will be regarded as less important than the ability to write good English.** In preparation for this part of the requirements, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:

In 1906, 1907 and 1908.—Shakespeare's *Macbeth* and *The Merchant of Venice*; The *Sir Roger de Coverley Papers*; Irving's *Life of Goldsmith*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe* and *The Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine* and *The Passing of Arthur*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

In 1909, 1910, 1911.—Group 1 (two to be selected): Shakespeare's *As You Like It*, *Henry V*, *Julius Cæsar*, *Merchant of Venice*, *Twelfth Night*.

Group 2 (one to be selected): Bacon's *Essays*; Bunyan's *The Pilgrim's Progress*, Part I; Addison's *Sir Roger de Coverley*; Franklin's *Autobiography*.

Group 3 (one to be selected): Chaucer's *Prologue*; Spencer's *Faerie Queen* (selections); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Cowper and Burns.

Group 4 (two to be selected): Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe* and *Quentin Durward*; Hawthorne's *House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dicken's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group 5 (two to be selected): Irving's *Sketch Book* (selections); Lamb's *Essays of Elia*; De Quincy's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies*.

Group 6 (two to be selected): Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), with especial attention to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Launcelot and Elaine*, *The Passing of Arthur*, *Gareth and Lynette*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Herve Riel*, *Pheidippides*.

b. STUDY AND PRACTICE.—This part of the examination presupposes the thorough study of each of the

works named below. The examination will be upon subject-matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this examination will be:

In 1906, 1907, 1908.—Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison, Life of Johnson*; Milton's *L'Allegro, Il Penseroso, Comus* and *Lycidas*; Shakespeare's *Julius Cæsar*.

Attention is called to the following recommendations of the Conference on Uniform Entrance Requirements in English:

1. That English be studied throughout the elementary and secondary school courses, and, when possible, for at least three periods a week during the four years of the high school course.

2. That the prescribed books be regarded as a basis for such wider courses of English study as the schools may arrange for themselves.

3. That where careful instruction in idiomatic English translation is not given, supplementary work to secure equivalent training in diction and in sentence structure be offered throughout the high school course.

4. That a certain amount of outside reading, chiefly of poetry, fiction, biography and history, be encouraged throughout the entire school course.

5. That definite instruction be given in the choice of words, in the structure of sentences and of paragraphs, and in the simple forms of narration, description, exposition and argument. Such instruction should begin early in the high school course.

6. That systematic training in speaking and writing

English be given throughout the entire school course. That, in the High School, subjects for composition be taken partly from the prescribed books and partly from the student's own thought and experience.

7. That each of the books prescribed for study be taught with reference to

- a. The language, including the meaning of words and sentences, the important qualities of style, and the important allusions.
- b. The plan of the work, *i. e.*, its structure and method.
- c. The place of the work in literary history, the circumstances of its production, and the life of its author.

8. That all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

III. Mathematics.

(1) ALGEBRA. — Elementary operations, radicals, theory of exponents, inequalities, quadratic equations, ratio, proportion, variation, arithmetic and geometric progressions, permutations and combinations, binomial theorem for positive, negative and fractional exponents, and logarithms.

(2) PLANE GEOMETRY, complete. Wentworth or Wells, first five books.

IV. Science.

Physics, Carhart and Chute, *Elements of Physical Science*, or equivalent. Laboratory work consisting of at least forty experiments taken from the manual must be shown by note-book certified by the instructor to be the original work of the student. As noted above, one year of a third language may be substituted for Physics.

V. History.

Greek and Roman History to 476 A. D.

The work offered for entrance must be fully equal in grade to that done in the history courses in the Preparatory School (page 64).

REQUIREMENTS FOR GRADUATION.

Extensive changes in the curriculum were put in force with the beginning of the Academic year 1901-1902. Previous to that time the college had provided two courses of study, leading to the degrees of A. B. and B. L., respectively. Beginning with the Academic year 1902-1903, the B. L. course was merged into the A. B. course, which now offers a much wider choice of elective studies than was previously permitted.

The course of study is as follows:—

In order to graduate, students must have pursued a course of sixty-one (61) year hours, distributed between prescribed and elective work in the proportion of thirty-seven (37) and twenty-four (24), respectively. By a year hour is meant a course of one hour per week pursued through an academic year, or its equivalent. A course of two hours per week continued through one semester, for example, would constitute such an equivalent. The prescribed work includes the following courses:—

Latin.—Courses 1, 2.

English.—Courses 1, 2, 3, 7.

Other Languages.—A total of eight year hours in one or two of the following languages:

{ *French*
 or
 { *German*
 or
 { *Greek.*

Mathematics.—Course 1.

Science:—

{ *Chemistry.*—Course 1.
 or
 { *Physics.*—Course 1.

History.—Courses 1, 2.

Philosophy.—Courses 1, 2, 3.

Bible.—Courses 1, 2, 3, 4.

The elective work must be distributed among the courses offered in the several years as specified in the following tabular statement:

TABULAR STATEMENT OF CURRICULUM.

FRESHMAN YEAR.	SOPHOMORE YEAR.	JUNIOR YEAR.	SENIOR YEAR.
Hours	Hours	Hours	Hours
Latin, Courses 1, 2, . 4	English, Course 3, . . . 1	English, Course 7, . . . 2	Philosophy, Course 3, . . 1½
English, Courses 1, 2, . 3	French, or German, } 4	Philosophy, Courses 1, 2, . 2½	Bible, Course 4, . . 1
French, or German, } 4	or Greek, } 4	Bible, Course 3, . . 1	Elective, . . . 12½
Mathematics, Course 1, . . 4	Science, 4	Elective, 9½	
Bible, Course 1, . . 1	History, Courses 1, 2, . . 3		
Total, . . . 16	Bible, Course 2, 1		
	Elective, 2		
	Total, 15	Total, 15	Total, 15

GENERAL INSTRUCTIONS.

No student will be enrolled as a member of any class if her conditions exceed what may be made up in one year by a single recitation daily.

The faculty retains the option of forming a class in any elective except upon application of six students.

EXAMINATIONS.

Examinations are ordinarily held at the close of a semester, but may be held at other times at the discretion of the professor. Students who fail to present themselves for examination at the appointed time may secure private examinations only on the payment of a fee of \$2.00, and request for such examination must be preferred through the President.

GRADUATE WORK.

The graduate work of the College is in the hands of a special committee of the Faculty, which receives applications for registration, and advises accepted students as to the proper courses to be undertaken. Graduates of the Pennsylvania College for Women, or of other institutions in which the requirements for a baccalaureate degree are substantially equivalent, may, upon recommendation of the Committee of Graduate Study, enter upon work for the degree of Master of Arts.

Advanced courses appropriate for graduate study leading to the higher degree are described in the outlines of courses of various departments. Some courses are open to both graduate and undergraduate students; graduates pursuing these courses must maintain a standard of work sufficiently high to satisfy the Committee of Graduate Study in order to receive graduate credit.

The amount of work required of a candidate for the degree of Master of Arts is equivalent to fifteen hour courses, pursued during a period of residence not shorter than one year. Candidates for this degree are required to pass examinations in one major and at least one minor subject, which have been determined upon not later than October 15th of the year in which the examinations will be taken. While the student is advised to choose one minor subject, she may, with the approval of her examining committee, select a second

minor in the same department as the major. The major and one minor must be in separate departments in order that the heads of at least two departments in which she pursues courses shall conduct the examinations; but the subjects should be so related as to indicate a definite acquisition in scholarship on the part of the student. A thesis in the major subject, due not later than May 1st, will be required to complete the work for the Master's degree.

A graduate of the Pennsylvania College for Women who has completed one full year of continuous graduate study in an American University of high standing may make application to the Graduate Committee, or to the Committee on Scholarship and Standing of the College, for the degree of Master of Arts; and this degree may be granted upon condition that she comply with the following requirements:

1. She shall present the University Registrar's certificate of credit for graduate work completed, and a letter from the Chairman of her Examining Committee of the University certifying that her scholarship and amount of work successfully finished entitle her to the University examination for the Master's degree, and that he approves her application for such a degree from the Pennsylvania College for Women.

2. She shall submit to the Graduate Committee of Pennsylvania College a satisfactory thesis based upon her graduate study.

3. She shall present herself for examination for the Master's degree at the time and place specified by the Graduate Committee.

Tuition and laboratory fees paid by graduate students are the same as those paid by undergraduates. The charge for a diploma is ten dollars.

COURSES OF INSTRUCTION.

Greek.

1. **Grammar and Prose Composition**, *First Greek Book* (White); **Xenophon**, *Anabasis* (Goodwin and White).

4 periods through the year.

2. **Xenophon**, *Anabasis* continued through Book IV; **Homer**, *Iliad* (Seymour), Books I, II and III. Greek Prose Composition (Pearson).

4 periods through the year.

Courses 1 and 2 are open to students not offering Greek in College preparation. Course 2 open to students entering College with one year of Greek as a third language.

3. **Plato**, *Apology*, *Crito*; **Xenophon**, *Memorabilia*. Greek Prose Composition.

4 periods, first semester.

4. **Homer**, *Odyssey*, Selections from Books I-XII. The epic will be studied as a whole from the literary standpoint; Homeric life and antiquities will be studied in detail. Greek Prose Composition.

4 periods, second semester.

5. **Demosthenes**, *Oration on the Crown*; Lectures and Collateral Reading on the Attic Orators, Legislative Bodies and Law Practice in Athens.

4 periods, first semester.

6. **Aeschylus**, *Prometheus Bound* (Mather); **Sophocles**, *Ædipus Tyrannus* (Earle); **Euripides**, *Medea*. Private

reading on the archæology of the drama (actors, costumes, buildings, etc.).

4 periods, second semester.

7. Herodotus, Books VI and VII, and a study of the Persian Wars.

Elective.

2 periods, one semester.

8. Thucydides, and a study of the Peloponnesian War.

Elective.

2 periods, one semester.

9. History of Greek Literature: Lectures with private reading assigned in Greek and English.

Elective, open to Juniors and Seniors.

2 periods through the year.

10. Plato, *Phædo*.

Elective, open to Juniors and Seniors.

2 periods, one semester.

11. Aristophanes, *Frogs* or *Clouds*; Selections from the Lyric Poets.

Elective, open to Juniors and Seniors.

2 periods, one semester.

12. Advanced Greek Prose: Constructive study of Greek syntax and style.

Elective, advised for those intending to teach Greek.

2 periods, one semester.

13. Introduction to Greek Archæology.

a. An outline course in the study of Greek pottery, architecture, sculptor and minor antiquities, illustrated as far as possible.

Elective.

2 periods, first semester.

b. Readings from Pausanias, with lectures on Athens, Olympia, Delphi, Epidauros and Eleusis as centres of Greek art and worship.

Elective.

2 periods, second semester.

Latin.

1. **Livy**, Selections from Books I, XXI, XXII (Westcott). Latin Prose Composition (Gildersleeve).

Required of Freshmen.

4 periods, first semester.

2. **Horace**, *Odes and Epodes* (Shorey). Latin Prose Composition (Gildersleeve).

Required of Freshmen.

4 periods, second semester.

3. **Tacitus**, *Annals* (Allen).

Elective.

2 periods, first semester.

4. **Tacitus**, *Germania and Agricola*.

Elective.

2 periods, second semester.

5. **Pliny**, *Letters* (Merrill).

Elective.

2 periods, first semester.

6. **Horace**, *Satires and Epistles* (Rolfe).

Elective.

2 periods, second semester.

7. **Cicero**, *Letters* (Abbott).

Elective.

3 periods, first semester.

8. **Cicero**, *De Senectute* and *De Amicitia* (Kelsey).

Elective.

3 periods, second semester.

9. Latin Comedy: Selected plays of Plautus and Terence.

Elective, open to Juniors and Seniors.
3 periods, one semester.

10. History of Latin Literature: Lectures, with Private Reading assigned in Latin and English.

Elective, open to Juniors and Seniors.
2 periods through the year.

11. Advanced Prose Composition: Constructive study of Latin syntax and style.

Elective, advised for those intending to teach Latin.
2 periods, one semester.

English Language and Literature.

1. English Composition: Daily themes with exercises in the principles of Description, Narration and Exposition. Text-book, Scott and Denney's *Paragraph Writing*; collateral reading of Perry's *Study of Prose Fiction*.

Required of Freshmen.
2 periods, through the year.

2. English Literature: Introductory course, which aims to train the student in intelligent reading of selected literature, to awaken interest in the best literature, and to cultivate an appreciation of literary form. Essays, topical recitations and collateral reading.

Required of Freshmen. Open to Special Students.
1 period, through the year.

3. Rhetoric : Constant practice in theme writing and in theme criticism. Systematic study of prose form. Weekly themes.

Required of Sophomores.
1 period, through the year.

4. English Literature: The Structure of the English Novel, Lectures, Collateral Reading, Essays.

Elective for Sophomores and Special Students.

2 periods, first semester.

5. English Literature: The Nineteenth Century, Lectures, Collateral Reading, Essays.

Elective, at the opening of either semester. Those who elect Course 5 are expected to take English 1 and 2, and are advised to take History 5 and 6.

2 or 3 periods, one semester.

6. (a) Old English and Chaucer: Introductory course in the study of the English language. Elementary lessons in Old English as a basis of the pronunciation and reading of Chaucer. Pre-requisites, English 1 and 2.

Elective.

2 periods, first semester.

(b) Old English: Cynewulf's *Elene*; Sievers-Cook's *Grammar of Old English*; lectures on the history of the English language.

Elective, open to Students who have passed 6 (a).

2 periods, second semester.

7. The History of English Literature: The development of our literature from the *Beowulf* to Tennyson; a study of the masterpieces of English. Pre-requisites, English 1, 2 and 3. History 5 and 6 (see page 43), and English 4 are recommended as preliminary electives.

Required of Juniors; open to those who have completed Courses 1, 2 and 3.

2 periods, through the year.

8. The Principles of Argumentation: Study of argumentative writing, preparation of briefs, and practice in debate.

Elective, open to Juniors and Seniors.

2 periods, first semester.

9. (a) The History of Literary Criticism.

(b) The Interpretation of Literature. Pre-requisites,
English 1, 2 and 4.

Elective, open to Juniors, Seniors and Graduates.
2 periods, second semester.

10. Shakespeare:

(a) The English Drama before Shakespeare.

(b) The development of Shakespeare's mind and
his progress in the mastery of dramatic technic.
Lectures, essays and discussions upon ten of the
plays.

Elective, open to Seniors and Graduates.
3 periods, first semester.

11. (a) Seminary in English Literature since 1832.

(b) Seminary in American Literature.

Elective, open to Seniors and Graduates. Students may
choose either *a* or *b*. Those planning to elect Course II
are advised to take Course 4 in Philosophy (see page 45).
3 periods, second semester.

French.

The instruction in this department is so planned
that a student who pursues the study of French for
four years has an opportunity to study every period in
French Literature from the mediæval to the modern.

1. Grammar: Muzzarelli's *Brief Course*; a thorough
drill in verbs. Reading: Colin, *Contes et Saynettes*;
Labiche et Martin, *Le Voyage de Monsieur Perichon*;
Sandeau, *Mademoiselle de la Seiglière*; About, *La
Mère de la Marquise*; Michelet, *La Prise de la Bas-
tille*; La Fontaine, *Fables*.

Open to students who have offered no French at entrance.
4 periods, through the year.

2. Grammaire Française: Larive et Fleury, *Deuxième Année*. Drill in letter writing; short lectures on the formation of the French language; easy English translated into idiomatic French; dictation. Reading: Daudet, *Lettres de Mon Moulin*; Madame de Sévigné, *Lettres*; Merrimée, *Colomba*; Bernadin's *Morceaux choisis des classiques Française du XVIII ième siècle*, with short lectures and recitations.

Open to students who have had Course 1 or its equivalent.
4 periods, through the year.

3. Histoire de la Littérature Française. Texts: F. Brunetière, R. Doumic. Lectures on the formation of the French Language. Reading: *La Chanson de Roland*, *Aucassin et Nicolette*; Biographies of Christine de Pisan, Villon, Marot, Ronsard, with selections from their works. Brief study of l'Ecole de la Pléiade, its influences.

Elective, open to Freshmen who have offered three years of French at entrance.
3 periods, through the year.

4. Precursors of the French Romantic School: Biographies of and selections from Madame de Staël, Rosseau, Chateaubriand; French composition; English translated into French; dictation.

Elective, open to students who have had Course 3 or its equivalent.
3 periods, through the year.

5. The Origin and Development of the French Language and Literature to the Sixteenth Century. Biographies of Balzac, Malherbe, Voiture, Descartes; L'Hotel de Rambouillet, its influence. The Moralists: Larocheffoucauld, Calvin, Pascal, Bossuet. Classical tragedy: Critical study of the works of Corneille, Racine.

Elective, open to students who have had Courses 3 and 4 or their equivalent.

3 periods, through the year.

6. The Literature of the Nineteenth Century. Lectures and Recitations. The Comedy: Molière, La Fontaine, Voltaire, La Henriade, Boileau, L'Art Poétique, Le Lutrin, selected *Epîtres* and *Satires*; V. Hugo, *La Légende des Siècles*.

Elective, open to students who have had Course 4 or its equivalent, and to graduates.

3 periods, through the year.

7. The French Theatre of the Nineteenth Century. A rapid reading course. Composition based upon works read. Topics will be assigned for reports, French to be used in all reports and discussions in the class.

Elective, open to students who have had Course 4 or its equivalent.

3 periods, through the year.

8. Advanced French Prose. Selected passages from English authors translated into French. Thorough study of syntax, idioms and synonyms. Brunot, *Grammaire des Grammaires*. Composition.

Elective, open to graduates and advised for those who wish to teach French.

2 periods through the year.

9. Current Events Related in French. Historical subjects assigned for discussion. Historical novels read out of class discussed. General conversation. This Course is strictly conversational.

Elective, open to students who have had Courses 6 and 7, and who are taking Course 8.

1 period, through the year.

NOTE.—All classes are conducted in French. Students are expected to speak French in class.

German.

1. Elementary German. Thomas' *German Grammar*, Part I.; Huss' *German Reader*. Reading of easy narrative prose, as Hauff, *Das Kalte Herz*; Seidel, *Leberecht Hühnchen*; Riehl, *Der Fluch der Schönheit*; Auerbach, *Brigitta*; Freytag, *Die Journalisten*; Wenckebach's *Prose Composition*. Conversation based upon text; dictation; abstracts; poems memorized.

Offered to Freshmen who presented no German at entrance, or as elective for other college students.

4 periods, through the year.

2. Introduction to the Study of German Classics. Schiller, *Wilhelm Tell*, *Maria Stuart*; Lessing, *Minna von Barnhelm*; Goethe, *Hermann und Dorothea*, *Egmont*; Freytag, *Aus dem Mittelalter*. Lectures upon the texts studied and the lives of the authors are given in German. Constant practice in oral and written abstracts and discussion of the text. Selections memorized. Wenckebach's *Prose Composition* continued. Thomas' *Grammar* completed.

Open to students who have taken Course 1 or its equivalent.

4 periods, through the year.

3. German Classics Continued. Lessing, *Nathan der Weise*; Schiller, *Wallenstein's Tod*, *Balladen*; Goethe, *Iphigenia*; Scheffel, *Der Trompeter von Säckingen*, *Ekkehard*; Bernhardt's *Literaturgeschichte* read and memorized, with supplementary reading. Lectures, abstracts, essays.

For students electing this Course as the required language of the Freshman or Sophomore year, an additional hour of German Prose will be required. See Course 4.

3 periods, through the year.

4. Advanced German Prose. Selected passages from English authors translated into German. Original

themes upon topics assigned. Careful study of syntax, idioms and synonyms.

Required in connection with Course 3 for students electing that Course as required language work of Freshman or Sophomore year.

Elective for all students who have taken Course 1 or 2 or the required Preparatory work. Especially recommended to those who expect to teach German.

1 period, through the year.

5. Course in Modern Novelists and Dramatists. Rapid reading of selected works from Sudermann, Hauptmann, Auerbach, Dahn, Freytag, Grillparzer, Von Kleist.

Elective for students who have taken Courses 1, 2, 3.
2 periods, through the year.

6. Goethe, *Faust*, Part I; selections from Part II; critical study of the *Faust* legend.

Elective for Juniors and Seniors who have taken Courses 1, 2, 3.
2 periods, one semester.

7. German Literature From the Earliest Times to Klopstock. Kluge's *National Literatur* is used as a text-book, accompanied by lectures and reference to the standard histories of literature. Private work upon assigned topics. Extensive reading of representative works of mediæval literature in modern German translations. Among texts read and discussed are *Das Niebelungenlied*, *Das Gudrunlied*, *Parzifal*, *Tristan und Isolde*, *Der Minnegesang*, *Der Meistergesang*, *Das Volkslied*, the Wagnerian opera texts.

Elective for students who have taken Courses 1, 2, 3, 4, or for graduates and advanced students who can read German fluently.

2 periods, one semester.

8. Literature of the Classical Period from Klopstock through Goethe and Schiller. Texts will be chosen to supplement previous study of the classics, as selections from *Der Messiah*, *Obcron*, *Laokoon*, *Don Karlos*, *Brant von Messina*, *Werthers Lieden*, etc.

This Course is offered under the same conditions as Course 7, and the same methods of study are observed. Open to graduates.

2 periods, one semester.

9. Literature of the Nineteenth Century. Special study of dramatists and lyric poets. Among the texts read are the dramas of Von Kleist, Hauptmann, Gutzkow, and the poems of Chamisso, Uhland, Lenau, Heine, Freiligrath, etc.

A continuation of Courses 7 and 8, and offered under the same conditions. Open to graduates.

2 periods, one semester.

10. Germanic Philology.

a. Gothic. Braune's *Gotische Grammatik*; Ulfilas' translations of the Bible. Lectures upon the development of the German language.

Elective for Seniors or graduates of sufficient advancement in German.

2 periods, first semester.

b. Old High German. Braune's *Abriss der Althochdeutschen Grammatik*. *Althochdeutsches Lesebuch*.

Continuation of Course *a*.

2 periods, second semester.

NOTE.—German is the language of the class room.

MATHEMATICS.

1. *a. Solid and Spherical Geometry.* The exercises in Geometry include recitations from the text-book, orig-

inal demonstrations of propositions, and the application of principles to numerical examples.

3 periods, first semester.

b. Higher Algebra. Subject as treated in Taylor's *College Algebra*.

1 period, first semester.

2 periods, second semester.

c. Plane Trigonometry.

2 periods, second semester.

a, *b* and *c* required of Freshmen.

2. Spherical Trigonometry.

Elective.

2 periods, one semester.

3. *Plane Analytic Geometry.* The work consists of investigation of the properties of the right line, the circle and the conic sections.

Elective.

4 periods, one semester.

4. Differential Calculus.

Elective.

4 periods, one semester.

5. Integral Calculus.

Elective.

3 periods, one semester.

ASTRONOMY.

Descriptive Astronomy. Elementary facts and principles with mathematical exercises. Location of the principal constellations. Opportunities given to view with the telescope the sun, moon, stars and nebulae.

Elective, open to all students who have taken required mathematics.

2 periods, through the year.

PHYSICS.

1. Elementary Physics. The class work will consist of lectures on the subjects of mechanics, sound, light, heat, electricity and magnetism. As far as possible these are illustrated by lecture table experiments. Carhart's *University Physics* will form the basis of the lecture work.

In laboratory the students are first instructed in the methods of accurate measurement and in the laws governing the equilibrium and motion of bodies. Later they make determinations of electrical quantities, and problems in heat, sound and light are studied.

4 periods, through the year.

NOTE.—This Course (or Course I in Chemistry) required of Sophomores.

CHEMISTRY.

1. General Inorganic Chemistry. Four periods a week. Laboratory work, four hours a week.

This Course does not presuppose a knowledge of Chemistry. It consists of lectures and recitations on the history, occurrence, preparation and properties of the more important non-metallic and metallic elements. Class-room work is supplemented by work in laboratory, where each student prepares and transforms the chief substances studied. The text-books used are Remsen's *College Text-book of Chemistry* and Keiser's *Laboratory Manual*.

4 periods, through the year.

NOTE.—This Course (or Course I in Physics) required of Sophomores.

2. Qualitative Analysis. Three periods a week. Laboratory work, two hours a week.

This Course consists of lectures, reviews and laboratory work in Qualitative Analysis. Ample practice in identifying unknown substances is given to each student. The text-book used is A. A. Noyes' *Qualitative Analysis*.

Elective, open to students who have completed Course 1.
3 periods, first semester.

3. Quantitative Analysis. Two periods a week. Laboratory work, two hours a week.

Lectures and Laboratory work in gravimetric and volumetric methods.

Elective, open to students who have completed Course 1.
3 periods, first semester.

4. Organic Chemistry. Five periods a week. Laboratory work, five hours a week.

Typical organic compounds, their relations and transformations are studied. In the class-room the work is pursued by lectures and reviews. In laboratory, the more simple organic compounds are first studied and the synthesis of more complex substances from these is then taken up. In every preparation attention is given to quantitative results. The text-books followed are Remsen's *Organic Chemistry* and Gatterman's *Practical Methods of Organic Chemistry*.

Elective, open to students who completed Course 1.
5 periods, second semester.

5. Lectures on Theoretical Chemistry. One hour through the year. In this Course a systematic study is given to the Atomic, Kinetic and Electrolytic Theories of the constitution of matter.

Elective, open to students who have completed Courses 1 and 4.
1 period, through the year.

6. Advanced Organic Chemistry. In this Course two hours a week are devoted to lectures on Methods in Organic Chemistry. Each student is assigned a problem in laboratory, which she solves according to methods used in original research. An organic compound whose composition is unknown is examined and its empirical and structural formulæ are determined. This determination involves the application of the most important laboratory methods used in organic research, such as combustions, molecular weight determination, etc. It is carried on independently by the student. After the correct solution of this problem, opportunity is offered the student of starting a problem in original work. The Course is especially qualified to fit students for independent research, and has that end in view. It is offered as first year graduate work.

BIOLOGY.

1. Comparative Anatomy of Vertebrates. Four periods a week. Laboratory work, four hours a week.

Course *a*. Lectures are given on the skeleton, muscles, digestive, respiratory, nervous and urinogenital systems of the fish, frog, turtle, pigeon and rabbit as types of vertebrates. In laboratory these forms are carefully dissected, their skeletons are mounted, and correct drawings of different organs are made.

Course *b*. Six weeks' study of the embryology of the frog and chick supplements Course *a*. The work is conducted by lectures and charts and by laboratory work. Each student is given an opportunity to make a collection of sections of embryos at various stages of development.

The textbooks followed in Courses *a* and *b* are Parker and Haswell's *Textbook of Zoology*, Morgan's *Embryology of the Frog*, and Foster and Balfour's *Elements of Embryology*.

4 periods, first semester.

2. Systematic Invertebrate Zoology. Four periods a week. Laboratory work, 4 hours a week.

This Course consists of a comparative study of the amœba and other protozoa; of typical members of the following sub-kingdoms: Coelenterata, Platyhelminthes, Nemathelminthes, Trochelminthes, Echinodermata, Annulata, Anthropoda; and of the forms Ascidian and Amphioxus. The textbooks followed are Parker and Haswell's *Textbook of Zoology* and Hyatt's *Insecta*.

Elective, open to all students.

4 periods, second semester.

History.

1. The Mediæval Period. An outline study of the history of Europe from the first century to the eleventh century. The object of the Course is to give a general survey of the political, social and ecclesiastical history of Europe from Augustus to the Treaty of Verdun. Particular attention is paid to the causes of the Fall of Rome, to the Barbarians, to the Development of the Church, and to Feudalism. The work of the department is conducted by means of textbooks, such as Duruy's *Middle Ages*, Emerton's *Introduction to the Middle Ages*, Andrew's *Institutes*, etc.; also by topical outlines, maps and lectures.

Required of Sophomores.

3 periods, first semester.

2. The Mediæval Period (continued). An outline study of the history of Europe from the Feudal Age to the Renaissance. In this Course particular attention is given to the dominating influence of the Church; to the formation of the European states; to the Holy Roman Empire and the Crusades. The work is conducted as in the first semester.

Required of Sophomores.

3 periods, second semester.

3. The Modern Period. A study of the history of Europe from the beginning of the Renaissance to the Treaty of Westphalia, 1648. This Course is a special study of the political and religious history of Europe during the Reformation, by means of biographies, topical outlines and lectures.

Elective, open to those who have completed Courses 1 and 2.

4 periods, first semester.

4. The Modern Period (continued). A history of Europe from the close of the Thirty Years' War to the Congress of Vienna, 1815. Special attention is given to the rise of Prussia, to the French Revolution and the Napoleonic Wars.

Elective, open to those who have completed Courses 1, 2 and 3.

3 periods, second semester.

5. English History. The work of this Course is an outline of English history, political and constitutional, from the earliest times to the reign of Henry VII. Text, Gardner's *Students' History*; Green's *History of the English People*, and Stubb's *History of English Constitution*. Maps, essays and library work are required.

Elective, recommended to Sophomores wishing to specialize in English Literature, but open to all students.

2 or 3 periods, first semester.

6. English History. This Course is a continuation of Course 5, from the reign of Henry VII to recent times.

Elective, open to those who have completed Course 5.
2 or 3 periods, second semester.

7. Europe in the Nineteenth Century. A study of the political history of Europe from 1815 to 1900.

Elective, open to Graduates and Seniors who have had Courses 3 and 4.
3 periods, through the year.

History of Art.

History of Art. An outline study of the Architecture, Sculpture and Painting of different nations, from pre-historic to present times. The outline followed is that given in Rainach's *Story of Art Throughout the Ages*. The textbook work will be supplemented by varied collateral readings and chiefly by a study of pictures and casts, made possible by the fine collections in the Carnegie Institute.

Elective, open to all students.
2 periods through the year.

PHILOSOPHY.

1. Psychology. The aim in this Course is to give the student a knowledge of the laws and the phenomena of the mind, as well as to cultivate the power of thought. Text-book, James' *Psychology*, *Briefer Course*. References, Wundt, Kulpe, Titchener, Ladd and others.

Required of Juniors.
3 periods, first semester.

2. Logic. In this Course, effort is made to give the student a thorough knowledge of logic as a science,

and of the application of the Syllogism to the forms of deductive reasoning. Text-book, *Jevon's Elements*.

Required of Juniors.

2 periods, second semester.

3. Ethics. Mackenzie's *Manual of Ethics* is the text-book used in this Course, but the students are referred to other works in order that they may be made acquainted with the leading systems of Ethics, and may also get a clear conception of the basis of obligation and the fundamental principles of morality.

Required of Seniors.

3 periods, first semester.

4. History of Philosophy. An introductory outline of Greek philosophy is followed by a study of the development of modern philosophy. The work of the Course will include constant reference to the standard histories of philosophy.

Elective, open to all who have taken the required work in Psychology.

2 periods, second semester.

5. History of Philosophy. The subject of the Course will be selected from year to year. Some philosophical movement or single work, such as Kant's *Critique of Pure Reason*, will be carefully and critically studied.

Elective, open to those who have taken Course 4.

2 periods, first semester.

6. Christian Evidences. In this Course the aim is to give a complete outline of the grounds upon which the Christian system rests, in order that the student may be made acquainted with the arguments for Theistic and Christian belief.

Elective, open to Seniors, Juniors and Sophomores.

2 periods, first semester.

Political Science.

(a) POLITICAL ECONOMY.

1. Elements of Political Economy. General introductory Course. Recitations and discussions on the basis of Bullock's *Introduction to the Study of Economics*.

Elective, open to Seniors and Juniors.

2 periods, first semester.

2. Advanced Economics. This Course comprises a brief historical view of the subject and critical studies of the theory of value and wages.

Elective, open to those who have taken Course 1.

2 periods, second semester.

(b) SOCIAL SCIENCE.

1. Elementary Social Science. An introductory Course upon the nature and methods of Social Science, and upon certain social problems, such as those connected with the family, with race and immigration, and with the dependent classes.

Elective, open to Seniors and Juniors.

2 periods, second semester.

Bible.

1. Studies in Hebrew History from the establishment of the Kingdom to the Fall of Jerusalem.

Required of Freshmen.

1 period, through the year.

2. The Hebrew Prophets. A careful study will be made of the historical setting of the books, the character of each prophet and his message to the people.

Required of Sophomores.

1 period, through the year.

3. Historical Study of the Life of Christ.

Required of Juniors.

1 period, through the year.

4. The Establishment of the Christian Church.

(a) The Acts.

(b) The Apostolic Letters.

Required of Seniors.

1 period, through the year.

5. Studies in Hebrew Poetry.

Elective, open to Juniors and Seniors.

2 periods, first semester.

6. Historical Geography of Palestine.

Elective, open to Juniors and Seniors.

2 periods, second semester.

EQUIPMENT.

Libraries. The College Library, housed in Berry Hall, contains twenty-eight hundred volumes. Students have access to its shelves from 8:15 A. M. to 9:30 P. M. daily. The collection is classified and provided with a card catalogue. It is the purpose of the officers of the College to collect and maintain a working library for every department of instruction; a thorough reorganization has augmented the working value of the books already on our shelves. Recently one hundred and thirty-five volumes have been purchased for the department of German language and literature, and about fifty titles of standard works have been added to the Classical and the French collection, respectively. The departments of Biblical Literature, History of Art, English Literature, History and Psychology are pro-

vided with the books in constant use, while those needed for occasional or special reference are easily accessible in the neighboring public library. The department of History of Art is further equipped with about four hundred mounted photographs for comparison and special study.

The Carnegie Public Library—distant ten minutes by direct trolley line from the College buildings—is, by courtesy of its directors, free to all resident students, and non-residents may, on the payment of a nominal fee, take out books from the circulating department. Valuable and recent collections for the study of Shakespeare, Modern Literature, History, Art, Architecture, Sociology and Political Science are accessible to the students of the College, many of the standard works being either upon open shelves or on the lists of circulating works.

Thus, students of the College have ready access to collections aggregating 128,000 volumes.

The College subscribes for fifty periodicals.

Laboratories. The Science Department is located on the third floor of Dilworth Hall, and is provided with a lecture room, chemical and biological laboratories. The laboratories have been remodeled recently, and are supplied with all modern apparatus necessary for the pursuit of the courses of study offered. The chemical laboratory is equipped with accurate chemical balances, boiling and freezing point apparatus and other facilities for careful quantitative work. Connected with the Chemical Laboratory is a stock-room situated on the first floor of Dilworth Hall, from which duty-free apparatus is lent to the student for use in the Laboratory. This apparatus remains the property of the College and may be returned at any time; but if broken

or used up the student is required to replace it. While no attempt is made to maintain a museum, students have access to a very good collection of minerals, specimens of the rarer elements and their compounds, and representatives of the less readily prepared organic substances. Collections of mounted skeletons illustrating the comparative osteology of typical vertebrates, of preserved and mounted zoological forms, and of charts and microscopical mounts supplement the laboratory equipment in Biology.

An observatory with Brashear reflecting telescope of $4\frac{1}{2}$ inch aperture, equatorially mounted, and necessary charts and models are provided for students in astronomy.

COLLEGE STUDENTS.

Seniors.

GRAY, EDITH,	Pittsburgh.
MADTES, VERNA MAUD,	Monessen.
MCNITT, WILLA MAYES,	Patterson.
WILLSON, ANNA GALBRAITH,	Allegheny.

Juniors.

ALLISON, EDITH,	Wilkinsburg.
JOHNSON, BESSIE D.,	Pittsburgh.
McKEE, ELLEN BLANCHE,	Wilkinsburg.
McKEE, MARY C.,	Wilkinsburg.
NIEBAUM, CLARA,	Pittsburgh.
STEVENSON, GRACE,	Coraopolis.

Sophomores.

GREENE, LILLA A.,	Hoosick Falls, N. Y.
SPOULL, MADGE,	Pittsburgh.

Freshmen.

BARBOUR, ISABELLE,	Pittsburgh.
BEARD, IRMA,	Wilkinsburg.
COHEN, EVA,	Pittsburgh.
COULTER, MARY EMMA,	Cannonsburg.
DARRAGH, HAZEL,	Pittsburgh.
FAUNCE, ALICE C.,	Carnegie.
FOSTER, LOUISE,	Carnegie.
JARECKI, CARLA C. D.,	Sandusky, Ohio.
MARSHALL, MAY,	Allegheny.
MARSHALL, VIRGINIA GILMONT,*	Wilkinsburg.
MELLON, MARY,*	Wilkinsburg.

*Advanced credit.

Special Students.

BARNSDALL, ALINE,	Pittsburgh.
CUPLER, LOUISE,	Pittsburgh.
CRAIG, MAY,	Pittsburgh.
HECK, EDNA M.,	Allegheny.
LOWRY, MARGARET,	Wilkinsburg.
WOODS, SARA,	Edinburg.

Recapitulation.

Seniors,	4
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PREPARATORY SCHOOL

OF THE

Pennsylvania
College for Women.

PREPARATORY SCHOOL INSTRUCTORS.

JANET L. BROWNLEE,
Principal,
Mathematics.

JANE B. CLARK, A. M.,
Mathematics.

MARY W. BROWNSON A. M.
English Bible.

ALICE T. SKILTON, A. B.,
German.

JOSEPHINE DE VALLAY,
French.

ELIZABETH B. ARMSTRONG, A. B.,
History.

LAURA CAROLINE GREEN, A. B.,
Latin.

MARGARET HOLMAN, A. B.,
Greek.

MARY D. LEWIS, A. B.,
English.

EMMA MELLOU CAMPBELL, A. M.,
Assistant in English.

JAMES BOYD CROUCH, A. B.,
Assistant in Latin.

GARNETT E. FULTON, M. E. L.,
English and Mathematics.

MYRTLE McATEER,,
Physical Culture.

OFFICERS.

MARTHA LANG DUFF,
In Charge of Study Hall.

EMMA MELLOU CAMPBELL, A. M.,
Librarian.

JAMES BOYD CROUCH, A. B.,
Secretary.

MRS. SARAH L. DRAIS,
Matron.

PREPARATORY SCHOOL.

The Preparatory School offers a four years' course of study, fitting students for entrance to colleges of the first rank. Any student desiring to pursue the study of Music and Art in connection with the Preparatory Course should allow one year longer for its completion. The five years' course is also recommended for students of delicate physical constitution, and the Principal will co-operate with parents in arranging preparatory studies so as to fill this period and make good work possible to such students without undue expenditure of strength.

Students may be admitted to the Preparatory School for fewer than the required hours per week, but Latin and Mathematics should be selected among the subjects; French and German will not be assigned until after one year's work in Latin.

Students who have passed for admission to the High Schools of Pittsburgh and Allegheny, or other High Schools maintaining an equal standing, will be admitted without examination to the first preparatory year, provided they present satisfactory certificates to that effect. All others may be subjected to examination at the discretion of the Faculty. Those seeking admission to an advanced grade may be examined in all prescribed studies leading to that grade.

Certificates will be granted to all who satisfactorily complete the Course as given in the Preparatory School, and these certificates will pass students without conditions into the Freshman Class.

The session for recitations is from 8:45 A. M. until 1:45 P. M. Day students who desire it may have their luncheons with the resident students at a small charge.

COLLEGE PREPARATORY COURSE.

YEAR	MATHE- MATICS	LATIN	SECOND LANGUAGE	*THIRD LANGUAGE	ENGLISH	HISTORY	BIBLE	ADDITIONAL SUBJECTS	TOTAL NUMBER OF CLASS PERIODS PER WEEK
First Year	Algebra, 5 hrs.	Latin Lessons, 5 hrs.			Principles of Composition, Literature, 4 hrs.	English History, 3 hrs.	Course 1, 1 hr.	Mythology, 1 hr. Drawing, 1 hr.	20
Second Year	Algebra, 5 hrs.	Cæsar, 5 hrs.	Greek, French or German, } 5 hrs.		Principles of Composition, Literature, 4 hrs.		Course 2, 1 hr.		20
Third Year	Plane Geometry, 4 hrs.	Cicero, 5 hrs.	Greek, French or German, } 5 hrs.		Principles of Composition, Literature, 2 hrs.	Grecian History, 1st semester, 3 hrs. Roman History, 2d semester, 3 hrs.	Courses 3, 4 1 hr.		20
Fourth Year	Review Mathematics 2 hrs.	Vergil, 4 hrs.	Greek, French or German, } 4 hrs.	Greek, French or German, } 4 hrs.	Rhetoric, Principles of Composition, Literature, 3 hrs.		Courses 5, 6 1 hr.		18

*Physics may be substituted for the third language.

COURSE OF INSTRUCTION.

Latin.

I. The Roman method of pronunciation is used. All quantities are observed from the first, both in pronunciation and writing. Correct and expressive reading of Latin is practiced, with constant attention to quantity.

II. Special attention is given to synonyms and derivative endings as an aid to facility in reading at sight.

III. Exercises in Latin Prose Composition are of three grades: (a) prepared beforehand and brought to class in writing (*Latine Scribenda*); (b) prepared beforehand and recited orally (*Latine Dicenda*); (c) written or recited in class without previous preparation.

1. Elementary Latin. *First Book in Latin* (Tuell and Fowler).

Required in first year.

5 periods, through the year.

2. Cæsar. *The Gallic War* (Kelsey), four books, or an equivalent. Careful study of construction. Practice in sight-reading. Geography of Roman world. Prose work in Collar's *Practical Latin Composition*, Part III to bottom of page 107. Allen and Greenough's *Latin Grammar* is used, and during this year Tuell and Fowler's *First Book in Latin* is reviewed.

Required in second year.

5 periods, through the year.

3. **Cicero** (Allen and Greenough), seven orations. Continued attention to construction, to Roman Constitution, to argument and style of the orations. Practice in sight-reading. Collar: *Practical Latin Composition*, page 108 through Part IV. General review of Latin Grammar.

Required in third year.

5 periods, through the year.

4. **Vergil** (Greenough and Kittredge), *Æneid*, six books, with prosody. Practice in sight-reading. Since the pupil is presumed by this time to be well-grounded in construction, this Course is studied from a literary standpoint. Style, figures, descriptions and mythology are studied, and photographs of celebrated works of art are used to illustrate the poem.

Required in fourth year.

4 periods, through the year.

Greek.

1. **Elementary Greek.** *First Greek Book* (White); Xenophon, *Anabasis* (Goodwin and White); Prose Composition (Pearson).

5 periods, through the year.

2. **Xenophon**, *Anabasis*, continued through Book IV. Prose Composition continued. Reading at sight and systematic study of Greek Grammar (Goodwin).

5 periods, through the year.

3. **Homer.** *Iliad* (Seymour), 4 books. *Stories from Herodotus* (Keep). Study of Greek Grammar continued, with particular attention to the irregular verbs of Attic prose.

4 periods, through the year.

English.

1. Principles of Composition. Scott and Denney's *Elementary English Composition*. Form of Paragraph; form of sentence; punctuation; practice in paragraph writing; practice in sentence writing.

Required in first year.

2 periods, through the year.

2. Literature.

(a) Painter, *Introduction to American Literature*.

Required in first year.

2 periods, through the year.

(b) Franklin, *Autobiography*; Cooper, *Last of the Mohicans*; Hawthorn, *House of Seven Gables*; Whittier, *Snowbound*; Longfellow, *Courtship of Miles Standish*; Holmes, *Autocrat of the Breakfast Table*; Lincoln, *Gettysburg Speech*; M. E. Wilkins, *A New England Nun*; Irving, *Sketch Book* (Selections).

Required home readings.

(c) Cooper, *Deerslayer*; Thoreau, *Succession of Forest Trees, Wild Apples and Sounds*; Hawthorne, *Marble Faun*; Longfellow, *Tales of a Wayside Inn*; Whittier, *The Tent on the Beach*; Mrs. Field, *Friends and Authors*; Burroughs, *Locusts and Wild Honey*; Vandyke, *Little Rivers*; Warner, *A Hunting of the Deer* and other papers; Jackson, *Ramona*; Page, *Meh Lady*; Mark Twain, *Tom Sawyer*; Cable, *Old Creole Days*; Eugene Field, *Love Songs of Childhood*.

Suggested home readings.

1. Principles of Composition. Paragraph structure; sentence structure; figures of speech; choice of words; outline work; description; practice in ten-minute

themes; narration. Text-book used is Scott and Denney's *Elementary English Composition*.

Required in second year.
2 periods, through the year.

2. Literature.

(a) *Introduction to English Literature* (Pancoast).
(b) Lowell, *Vision of Sir Launfal*; Coleridge, *Ancient Mariner*; George Eliot, *Silas Marner*; Shakespeare, *Merchant of Venice*; Scott, *The Lady of the Lake* and *Ivanhoe*.

Required in second year.
2 periods, through the year.

(c) Shakespeare, *As You Like It*; Bunyan, *Pilgrim's Progress*; Goldsmith, *The Vicar of Wakefield*; Macauley, *Lays of Ancient Rome*; Byron, *Mazeppa* and *The Prisoner of Chillon*; Scott, *Quentin Durward*; Blackmore, *Lorna Doone*.

Required home readings.

1. Principles of Composition. Outline-work; narration; practice in ten-minute themes. Text-book used is Scott and Denney's *Composition-Literature*.

2. Literature.

(a) Irving, *Life of Goldsmith*; Addison, *Sir Roger de Coverley Papers*; Shakespeare, *Macbeth*; Tennyson, *Gareth and Lynette*, *Launcelot and Elaine*, *The Passing of Arthur*; Dickens, *Tale of Two Cities*; Goldsmith, *The Deserted Village*.

Required in third year.
3 periods, through the year.

(b) Shakespeare, *Twelfth Night*; Bacon, *Essays*; Pope, *Rape of the Lock*; Lamb, *Essays of Elia*; Gaskell, *Cranford*; Arnold, *Sohrab and Rustum*; Steven-

son, *Treasure Island*; Palgrave, *Golden Treasury* (Books II and III).

Required home readings.

1. Principles of Composition and Rhetoric. Outline-work; theme structure; exposition. Text-book used is Scott and Denney's *Composition-Literature*.

Required in fourth year.

1 period, through the year.

2. Literature.

(a) Macaulay, *Life of Johnson* and *Essay on Addison*; Milton, *Poems*; Burke, *Speech on Conciliation*; Shakespeare, *Julius Cæsar*; Palgrave, *Golden Treasury* (Book IV).

Required in fourth year.

2 periods, through the year.

(b) Chaucer, *Prologue to Canterbury Tales*, or Spenser, *Faerie Queene* (Selections); Shakespeare, *Henry V.*; DeQuincy, *Joan of Arc* and *The English Mail Coach*; Jane Austen, *Pride and Prejudice*; Carlyle, *Essay on Burns* or *Heroes and Hero Worship*; Emerson, *Essays* (Selected); Ruskin, *Sesame and Lilies*; Browning, *Poems* (Selected).

Required home readings.

French.

Course 1. Muzzarelli, *Brief French Course*. First Part: Study of the regular and the commoner irregular verbs; easy translation of English into French; Whitney's *Introductory French Reader*; fables memorized; dictation.

5 periods, through the year.

Course 2. Larive et Fleury, *Première Année*; study of irregular verbs; English into French; Bercy, *La Langue Française*; fables memorized; Lamartine, *Graziella*; Le Brète, *Mon Oncle et mon Curé*; dictation.

5 periods, through the year.

Course 3. Larive et Fleury, *Deuxième Année*; syntax; Blouet, *Primer of French Composition*; La Fontaine, *Select Fables*; Marmier, *Le Protégé de Maria Antoinette*; Michelet, *La Prise de la Bastille*; Belfond, *La France Littéraire au XIX. Siècle*; Ducoudray, *Histoire de France*; dictation.

4 periods, through the year.

German.

Course 1. Joynes and Meissner's *Grammar*, Part I. Reading: Easy stories, as Grimm's *Märchen*; Heyse, *L'Arrabbiata*; Strom, *Immensee*; Von Hillern, *Höher als die Kirche*; Zschokke, *Der Zerbrochene Krug*; Baumbach, *Die Nonna*; Bernhardt's *Prose Composition*. Conversation based upon text; poems memorized; dictation.

5 periods, through the year.

Course 2. Joynes and Meissner's *Grammar* completed. Easy narrative prose continued, as Hauff, *Das Kalte Herz*; Heyse, *Das Mädchen von Treppi*; Frommel, *Eingeschneit*; Riehl, *Das Spielmannskind*, *Der Stumme Ratsherr*; Baumbach, *Der Schweiger-sohn*; Bernhardt's *Prose Composition* completed. Constant practice in oral and written abstracts of texts read; poems memorized; dictation; conversation.

5 periods, through the year.

Course 3. Spanhoofd's *Deutsche Grammatik*. Introduction to study of German Classics. Schiller, *William Tell*, *Jungfrau von Orleans*; Lessing, *Minna von Barnhelm*; Goethe, *Hermann und Dorothea*, *Dichtung und Wahrheit*; Heine, *Die Harzreise*. Lectures are given in German upon these works and the lives of the authors. Written and oral abstracts are required. Harris' *Prose Composition*.

4 periods, through the year.

Mathematics.

1. Algebra. Wentworth's *New School Algebra*. The fundamental operations, factoring, fractions, equations of the first degree with one or several unknown quantities, powers and roots, theory of exponents and radicals.

Required in first year.

5 periods, through the year.

2. Algebra. Wentworth's *New School Algebra*. Quadratic equations, inequalities, ratio and proportion, variation, arithmetic, geometric and harmonic progressions, binomial theorem for positive integral exponents.

Required in second year.

5 periods, through the year.

3. Plane Geometry. Wells. Inventional geometry, demonstrations of propositions, original exercises, numerical problems and examples of loci.

Required in third year.

4 periods, through the year.

4. Mathematics Reviewed. A review of Courses 1, 2, 3, with additional subjects in algebra.

Required in fourth year.

2 periods, through the year.

Physics.

1. A Preliminary Survey of the general properties of matter, followed by a more careful study of the general principles of Mechanics and Hydrostatics. This Course is *supplemented by the use of many and varied numerical problems*, and requires a knowledge of Algebra and Plane Geometry.

Required in fourth year.

4 periods, first semester.

2. Heat, Light, Sound and Electricity.

Required in fourth year.

4 periods, second semester.

Both Courses include a series of laboratory exercises selected from the list of those recommended by the Uniform College Entrance Examination Board of the Middle States and Maryland. The Preparatory School is thoroughly equipped with the Physical apparatus necessary for this course of study.

History.

1. English History (Montgomery), with maps, note-book and biographical sketches.

Required in first year.

3 periods, through the year.

2. Mythology (Guerber).

Required in first year.

1 period, through the year.

3. Grecian and Roman History (Myers' *General History*) to 476 A. D., with maps, note-book and biographical sketches.

Required in third year.

3 periods, through the year.

4. French History (Montgomery).

Class may be formed in second year.
2 periods, through the year.

Bible.

1. Stories From the Old Testament. Scripture selections are memorized in connection with these lessons.

Required in first year.
1 period, through the year.

2. The Beginnings of Hebrew History. This Course carries forward the history of the Children of Israel from the Exodus to the settlement in Canaan.

Required in second year.
1 period, through the year.

3. The Period of the Judges.

Required in third year.
1 period, first semester.

4. The United Kingdom.

Required in third year.
1 period, second semester.

5. The Divided Kingdom.

Required in fourth year.
1 period, first semester.

6. The Captivity and Restoration.

Required in fourth year.
1 period, second semester.

Physical Training.

Systematic training in the gymnasium is required of all resident students unless excused for physical reasons. Class instruction to day students is optional and is given without extra charge. Each student is

examined by the Director with reference to physical development before being admitted to classes, and further examinations are made during the year.

The Ling, or Swedish, System of Physical Training is used. The Educational and Corrective Elements play an important part in each lesson. Attention is paid to Æsthetic Dancing as a means of developing ease and grace of carriage, and to Games as a factor in gaining alertness and self-control.

The Gymnasium is a large, well-ventilated building, equipped with chest weights, rowing machines, balance swings and other apparatus. The regulation shoes and suit prescribed by the Director must be worn by all admitted to the Gymnasium.

The Athletic Association affords exceptional opportunities for Golf, Tennis, Basket Ball and kindred sports.

PREPARATORY STUDENTS.

Fourth Year.

'06

BERKEY, FLORENCE MAY,	Johnstown.
BERKEY, HILDA,	Johnstown.
BLAIR, MARGARET,	Pittsburgh.
CUNNINGHAM, LOIS,	Pittsburgh.
DIESCHER, IRMA,	Pittsburgh.
JONES, ETHEL,	Johnstown.
KIMBALL, MARY,	Pittsburgh.
MICHEL, FLORENCE,	Pittsburgh.
MILLER, MARY,*	Pittsburgh.
MCEWEN, SALLIE RODES,	Pittsburgh.
McFARLANE, JEAN,	Pittsburgh.
McKIBBEN, ELMA,*	Pittsburgh.
RECORD, ALICE HETTIE,	Pikeville, Ky.
ROLLINGS, JEAN,	Crafton.

Third Year.

BULLOCK, CORNELIA,†	Pittsburgh.
BURGHAN, ELIZABETH,	Parnassus.
BURGHAN, EVA,	Parnassus.
CROSBY, EVELYN,	Pittsburgh.
GOEDDEL, HENRIETTA,*	Pittsburgh.
GRAY, FRANCES,†	Pittsburgh.
JARECKI, ELSA A.,	Sandusky, Ohio.
LONGANECKER, ELLEN,	Pittsburgh.
MUNRO, ANNIE,	Pittsburgh.
STURGEON, BERTHA,	Pittsburgh.
VAN TINE, NELLIE,	Pittsburgh.
YOUNG, ALICE,†	Pittsburgh.

*One condition.

†Advanced credit.

Second Year.

BARRON, ANNA MARGARET,	Pittsburgh.
BATEMAN, LOUISE,	Dixmont.
BICKEL, FLORENCE,	Pittsburgh.
CERF, FLORENCE,*	Pittsburgh.
DALZELL, KATHERINE,	Pittsburgh.
GRAY, MARY,*	Pittsburgh.
HARDY, MAY,	Pittsburgh.
HODGENS, MARY AGNES,	Beaver.
KEIM, ELSIE,	Pittsburgh.
KIMBALL, HELEN McCUNE,	Pittsburgh.
LEWIS, VERA VESTA,	Arch Spring.
LONGANECKER, CARRIE,	Pittsburgh.
LYLE, MARY,*	McKeesport.
MACKRELL, EDNA ELIZABETH,*	Pittsburgh.
McKEE, FAITH,	Pittsburgh.
PARK, FLORENCE,*	Pittsburgh.
PROEGER, CAROLINE,*	Pittsburgh.
REID, JEAN,*	Wilkinsburg.
SANDS, MARTHA,	Pittsburgh.
SANKEY, ALICE,	Carrick.
SHARP, DAISY,	Pittsburgh.
STIFLE, IRENE,	Pittsburgh.
THOMAS, LULU,	Pittsburgh.
THOMPSON, CATHERINE,	Pittsburgh.
TODD, ANNA,*	Pittsburgh.

First Year.

AULD, EVA.	Pittsburgh.
BARTBERGER, ADELAIDE,	Pittsburgh.
BECK, MINNIE,	Pittsburgh.
BLAIR, HELEN,	Pittsburgh.
BROWN, MARY,	Oakmont.
CHEESEMAM, ALVIRA,	Pittsburgh.
DICKSON, IRENE,	Pittsburgh.
FREY, MARGUERITE,	Pittsburgh.
GENGE, BEULAH,	Pittsburgh.
GOODWIN, LYDIA,*	Toledo, Ohio.

*One condition.

GOSSER, RUTH,	Pittsburgh.
GRAFF, EDITH,	Pittsburgh.
GRAY, JEAN,	Pittsburgh.
HEEREN, MARGUERITE,	Pittsburgh.
HOYT, MARCIA,	Cresson.
KERR, HELEN HALL,*	Pittsburgh.
KIRKWOOD, HELEN,	Pittsburgh.
LYLE, BESSIE,*	Pittsburgh.
MICHEL, ALICE,	Pittsburgh.
MCABEE, RUTH,	Pittsburgh.
MCCRACKEN, LOIS,	Pittsburgh.
MCGREW, MAE,	Pittsburgh.
PATTERSON, AGNES,	Pittsburgh.
PRUGH, JULETTA,	Pittsburgh.
RITSCHER, WINIFRED,*	Pittsburgh.
SCULLY, HELEN MONROE,	Pittsburgh.
SNEATHEN, ELIZABETH,	Pittsburgh.
SORG, MARIE,*	Pittsburgh.
STOELTZING, ALICE,	Pittsburgh.
TREES, HELEN,	Pittsburgh.
WEISS, MARIE,	Pittsburgh.
WEST, LILLIAN,	Pittsburgh.
WILSON, BESSIE OLIVER,	Pittsburgh.
YAGLE, ELIZABETH,	Pittsburgh.
ZOLLAR, CARRIE,	Pittsburgh.

Grammar Grade.

CAMPBELL, MIRIAM,	Pittsburgh.
COLEMAN, ALICE,	Pittsburgh.
CORT, MARIE,	Latrobe.
HERRON, CARRIE,	Pittsburgh.
LAWTON, ELIZABETH,	Oakmont.
MCCLEMENTS, ADAH,	Pittsburgh.
MIHM, MARGUERITE,	Pittsburgh.
STAVES, AMELIA,	Pittsburgh.
TITUS, ETHEL,	Greensboro.

*One condition.

Irregular Students.

ARMSTRONG, RUTH,	Oakmont.
BARNES, FRANCES LOUISE,	Philadelphia.
BLUM, FANNY LORRAINE,	Franklin.
BLYTHE, EDITH,	Dunbar.
BUTLER, REGLA,	Bruin.
DAVIDSON, REBECCA,	Pittsburgh.
FISHER, MARY,	Pittsburgh.
GILCREST, LELIA,	Hamilton, Ohio.
GORDON, ESTELLE,	Walker's Mills.
GREENAWALT MARGARET,	Pittsburgh.
HANEY, MARGUERITE,	Pittsburgh.
HUNT, FLORENCE,	Munhall.
HUSBAND, JUANITA,	Mt. Pleasant.
KEEFER, MARY,	Pittsburgh.
KELLERMAN, MAUD,	Wilkinsburg.
KNIGHT, MARION,	Pittsburgh.
MUEHLBRONNER, CORA,	Allegheny.
MCKIBBEN, BEULAH,	Pittsburgh.
SCHULER, BERTHA,	Pittsburgh.
SUCCOP, ELEANOR,	Pittsburgh.
THOMAS, CAROL,	Pittsburgh.
WEBSTER, MIRIAM,	Pittsburgh.

Recapitulation.

Fourth Year,	14
Third Year,	12
Second Year,	25
First Year,	35
Grammar Grade,	9
Irregular Students,	22
Total,	117

SCHOOL OF MUSIC.

JOSEPH H. GITTINGS,
Piano.

EDWARD J. NAPIER,
Organ.

M. ALICE CORY,
Voice, Piano and Musical Theory.

SCHOOL OF MUSIC.

The Music Department is designed to give thorough instruction in both the Science and Arts of Music.

The Course of Study is comprehensive and the department well-equipped. Piano, Organ, Vocal and Harmony are the leading classes, but instruction is provided in other branches as required.

The location of the College near the Carnegie Music Hall gives unusual opportunity for hearing the best music.

Students completing the full course will receive testimonials of Musical Scholarship after passing a test examination.

Course of Study in Piano.

FIRST YEAR.

Instruction in the rudiments of Music and Notation. Formation of the touch, using Plaids's *Technical Studies* and Weik's *Method*. Simple Scales, Lebert and Stark, Vol. I, and Easy Pieces by Duvernoy, Heller, Reinecke and Lichner. Sonatines by Clementi and Kuhlau.

SECOND YEAR.

Music Tonality and the Grammar Music. Technical Course will embrace Plaids's *Simple Technique*, Scale Studies, Etudes of Czerny, and the *Schule der Tech-*

nique, Vol. I; Lebert and Stark, Vol. II; *Phrasing Studies* by Heller, and pieces from Jensen, Heller, Mozart, Mendelssohn, Reinecke, and selections from the *Sonaten Studien*, by Kohler.

THIRD YEAR.

Sight Reading. *Schule der Technique*, finishing Book I. and commencing Book II. *Gradus ad Parnassum*, by Clementi, arranged by Karl Tausig, Etudes by Heller, Jensen and Moscheles. Selections from the preludes of Chopin and Heller. Sonatas by Haydn, Beethoven and Schubert. Pieces from Chopin, Schumann, Mendelssohn, Field, Liszt, and selections from the *Alte Meisters* as arranged by Paner and Saint-Saëns.

Harmony: Richer or Allrechtsberger methods.

FOURTH YEAR.

A Normal Year—Technical Course. The *Schule der Technique*, Vol. III. Lebert and Stark, selections from Book III. and IV. *Octave Schule* of Kalluk. Wm. St. Bennett, Op. 11. Selections from Bach's works, as arranged by Reinecke. Sonatas and Concertos of the Old Masters. Pieces from Chopin, Rubinstein, Liszt, Weber, Schumann, Saint-Saëns, Mendelssohn and Beethoven.

Sixteen Pianos are available for practice, and all practice is under the supervision of a competent assistant.

Course of Study in Organ.

A practical knowledge of the organ has long been regarded by musicians as of great importance, and its value as a factor in the acquirement of purity of touch

and style in piano playing is clearly recognized. The constantly increasing demand for organists for both town and city churches renders it also extremely desirable that students of music should fit themselves to enter upon this field of usefulness. The possession by the College of a fine three-manual organ completes the equipment of the School of Music, and makes it possible to offer to students advantages equal to those of any similar institution.

The textbook used in the Course is *The Organ*, a theoretical and practical treatise by Frederic Archer. It is followed by selections from English, French and German composers.

Course of Study in Violin.

FIRST YEAR.

Instruction in the proper position of the body, bow, left hand and arm. Production of tone with the bow and correct action of the fingers of the left hand. Studies in the first position for intonation, rhythm and various bowings. Easy pieces with accompaniment of piano. Duets for two violins.

SECOND YEAR.

Exercises in the first to third position. Studies in bowing and left-hand technique by Kayser, Dont, Sevčik. *Scale Studies* by Shradieck. Pieces by Dancla, Sitt, Papini and others.

THIRD YEAR.

Studies in the higher positions and pieces employing them. Twenty-four studies by Dont from the *Gradus ad Parnassum*.

FOURTH YEAR.

Studies by Kreutzer. Special Studies in bowing by Sevcik. Book I., Op. 36, by Sauret. Viotti concertos. Concertino by David. De Beriot concertos.

FIFTH YEAR.

Studies by Fiorillo and Rode. Book III, Op. 36, by Sauret. Concertos by Viotti, Rode, Kreutzer and David. Concerto pieces by Sauret, Wieniawski and Vieuxtemps. Twenty-four *Matinees* by Gavienees. Twenty *Grands Etudes* by Sauret. Twenty-four Etudes, Op. 35, from *Gradus ad Parnassum* by Dont. Twelve Etudes by Minkons. Twenty-four Caprices by Paganini. Six Solo Sonatas by J. S. Bach. Concertos by Spohr, Mendelssohn, Beethoven, Vieuxtemps, Wieniawski. Sonatas by Corelli, Bach, Handel, Tartini, Mozart and Beethoven. Concert Pieces by Leonard, Alard, Ernst, Saint-Saëns and others.

Course of Study in Voice Culture.

Instruction in vocal music consists of half-hour private lessons, and class drills in which all voice pupils are expected to take part.

The Italian method of voice building is employed, special attention being given to correct breathing, tone production, phrasing and clear enunciation.

Marchesi's *Art of Singing* is assigned for technical work, in connection with *Vocalizes* by Marchesi, Abt, Concone, Luetgen and other eminent composers, as the advancement of the student justifies.

The Course of Instruction is designed to establish a repertoire in Church, Concert, Oratorio and Operatic

Music, versatility being recognized as of the essence of vocal accomplishment.

A Choral Class meets once a week under the direction of the instructor in vocal music. The class is free to all students, the only obligation being prompt and regular attendance at the rehearsals and concerts which take place during the year.

STUDENTS IN MUSIC.

Piano.

BARNES, LOUISE,
BERKEY, HILDA,
BICKEL, FLORENCE,
BLYTHE, EDYTHE,
BURGOYNE, ANNA,
BURGOYNE, FLORENCE,
BUTLER, REGLA,
COLEMAN, ALICE,
CORT, MARIE,
DAVIDSON, REBECEA,
DARRAH, HAZEL,
DAVIS, FRED A,
DEMMLER, ELSIE,
FAUNCE, ALICE,
FOWNES, SARA,
GENGE, BEULAH,

GILCREST, LEILA,
HUSBAND, JUANITA,
HOLMAN, MARGARET,
HUNT, FLORENCE,
KIRKWOOD, HELEN,
KNIGHT, MARION,
LOWRY, MARGARET,
LYLE, MARY,
MONTGOMERY, ELIZABETH,
MCEWAN, SALLIE,
PFEIL, MARY,
PRUGH, JULETTA,
ROLLINGS, JEAN,
WEBB, NELLIE,
WEISS, MARIE LOUISE,
WEST, HELEN,

ZOELLER, CARRIE.

Organ.

COTTON, GERTRUDE,
FAUNCE, ALICE,

GATTS, MAY L.,
MUEHLBRONNER, CORA.

Harmony.

BUTLER, REGLA,
FAUNCE, ALICE,

GILCREST, LEILA,
MONTGOMERY, ELIZABETH,
WEBB, NELLIE.

Voice.

BUTLER, REGLA,
COMSTOCK, MARIE,
FAUNCE, ALICE,

LOWRY, MARGARET,
MONTGOMERY, ELIZABETH,
MARSHALL, VIRGINIA,
WEBB, NELLIE,

Violin.

BERKEY, FLORENCE.

DEPARTMENT OF ART.

MARTIN B. LEISSER,
Principal.
Life Class.

FLORENCE BALDWIN,
Drawing, Painting, Leather-Tooling,
Basketry.

HARRIET LAMONT MERRIAM,
Design, Perspective,
China Painting.

N. B.—The classes in China Painting, Leather-Tooling, Basketry and Designing will not be offered after the year 1905-6.

ART DEPARTMENT.

The purpose of this department is to present the subject of Fine Art as a part of Liberal Culture. In order to this purpose much attention is given to the History of Art. The great masterpieces of painting, sculpture and architecture are made familiar to the student by photographs and stereopticon slides. Something of the life and times of the great artists is noticed, and the different schools of art distinguished. For fuller details of this work see page 44.

In addition to this work in History of Art, provision is made for thorough instruction in the arts of Drawing and Painting in oil and water color. The studios are large and well lighted and well equipped with casts, still life objects, draperies and everything necessary for the very best instruction in these branches of art. The life class is provided with suitable models who pose for the class two days each week.

On Saturdays special classes are held for those who can attend but once a week.

STUDENTS IN ART.

Life Class.

BOYCE, MARIE,
COURSIN, RUTH,
FISHER, MARY,
JENEWEIN, FRED A,

KLINGINGSMITH, MARY,
MOLLMAN, MILLIE,
LAFFERTY, LOUISE,
WALTERS, MARJORY,
WIGLEY, GRACE.

Still Life.

BROOKS, MINNIE,
COURSIN, RUTH,
JACKSON, JENNIE,
JARECKI, CARLA,
JARECKI, ELSA,

LAFFERTY, LOUISE,
MANCHESTER, ELSIE,
MOLLMAN, MILLIE,
WALTERS, MARJORY,
WIGLEY, GRACE,

Drawing Class.

ALBERTE, HENRIETTA,
ARMSTRONG, GRACE,
AULD, EVA,
BILLINGTON, BEATRICE,
BLYTHE, EDITH,
BOYCE, MARIE,
CASE, SUSAN,
CLIFFORD, GERTRUDE,
FISHER, MARY,
GRAY, JEAN,

GITTINGS, DOROTHY,
HAMBLY, DOROTHY,
KNIGHT, MARION,
LARKIN, EMMA,
LEWIS, VERA,
MARTIN, WILLIAM,
PARK, FLORENCE,
REED, AGNES,
REEVES, FRANKLYN,
WILEY, ROSE,

WOODS, SARA.

Design—Second Year.

ARMSTRONG, GRACE,
BOYCE, MARIE,
JENEWEIN, FRED A,
KLINGINGSMITH, MARY,
LAFFERTY, LOUISE,

MOLLMAN, MILLIE,
MCCANCE, MARTHA,
STEHLEY, MARY,
WALTER, MARGARET,
WILEY, ROSE,
WIGLEY, GRACE.

Design—First Year.

AULD, EVA,

HEGNER, MRS. H. L.,

HAMKENS, MARIE,

REED, AGNES,

WOODS, SARA,

Design—Special.

CASE, SARA,

MAGEE, MRS. W. A.

China Decoration.

COURSIN, RUTH,

HECK, EDNA,

KIMBALL, HELEN.

EXPENSES AND TERMS.

Day Students.

	PER YEAR
Tuition—Collegiate,	\$125.00
Preparatory,	125.00

Resident Students.

	PER YEAR
Tuition,	\$125.00
Table board,	175.00
Room rent (including light, heat and furnished room), . .	100.00
Pew rental, Presbyterian Church,	5.00
Other denominations at church rates.	
Washing plain pieces, per dozen, 50 cents.	
Washing dresses, extra.	
Board during vacations, per week, \$7.00.	

Music Department.

	PER TERM
Piano—Two ½-hour lessons each week,	\$50.00
One ½-hour lesson each week,	30.00
Voice—Two ½-hour lessons each week,	50.00
One ½-hour lesson each week,	30.00
Use of Piano, three periods, daily practice,	10.00
Organ—One hour each week,	50.00
Use of organ per daily period,	10.00
<i>Ensemble</i> Playing and Sight-reading—Class of four, for one period a week, each student,	25.00
Violin, Professor's prices,	
Guitar, Professor's prices,	

Art Department.

	PER TERM
Full Art Course,	\$50.00

Department of Physical Culture.

	PER TERM
Physical Culture, in classes of four, twice a week, each student,	25.00
Physical Culture, private lessons, twice a week,	50.00

Extra Charges.

Laboratory fee, per year (biology class),	\$15.00
Laboratory fee, per year (chemistry class),	15.00
Laboratory fee, per year (physics class),	5.00
Luncheon, . . . . .	.30

In exceptional cases resident students may be received as five-day pupils, *i. e.*, they may be allowed to go home on Saturday morning and return Monday morning; but this arrangement is not considered desirable, and no reduction in the charges for board and room will be made on this account.

No charge for tuition will be made to daughters of ministers resident in the College. A reduction of \$25.00 will be made to day pupils who are daughters of ministers or of professional teachers actually engaged in teaching.

Instruction in class gymnastics and choral music is included in the tuition fee.

Books, stationery and sheet music are furnished at regular prices.

All bills for boarding, tuition and extras are due one-half on first day of the year and the remainder February 1st. The payment must be made before the student may take her place in the class-room, unless special arrangement has been made with the President. All checks should be made payable to David McK. Lloyd, Treasurer, and sent to the President, Pennsylvania College for Women, Pittsburgh, Pa.

It is understood that all arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

As engagements with instructors and other provisions for the education of students are made by the College for the entire year in advance, *no deduction can be made in the charge for tuition for either resident or day students.*

No degrees will be conferred unless all bills due to the College by the candidate have been paid.

The telephone being for College business purposes, no student will be called to the telephone, nor will any message be delivered, except in cases of illness or similar urgency.

APPLICATION FOR ROOMS.

All applications will be registered and rooms not engaged by former students will be assigned according to the date of application. The bedrooms are generally arranged for two students, and are comfortably furnished. Single rooms require an additional fee. There are no undesirable bedrooms in the College buildings. Any information concerning the rooms will be given upon application to the Secretary.

A deposit of ten dollars is necessary to secure a room. This amount will be credited on the first payment, or will be refunded if a wish to relinquish the room is made known before August 1st.

Each applicant will be furnished with a copy of the Regulations, which must be signed by her and her parent or guardian, and returned with the room deposit.

Resident students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for resident students from *the date at which they had engaged to enter their daughter or ward until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness, when the loss for board and room will be equally shared.*

All unnecessary wear of carpets, furniture, etc., is charged to the students occupying the room.

ROUTES AND CONVEYANCES.

The College is reached from the centre of the city by any of the lines of electric cars running out Fifth Ave., which carry passengers to the College entrances on Woodland Road and Murray Hill Avenue, or by cabs at the stations, which will convey passengers to the door of the College.

Strangers on arriving in the city at Union Depot may obtain all needed information by inquiring of the Excelsior Express and Standard Cab Company, which also delivers baggage at the College. Students entering the city on the Penna. R. R. will find it a convenience to check all baggage to the East Liberty Station.

Expressage.

All express matter to students should be sent *prepaid* by *Adams Express* to *East Liberty Station, Penna.*, otherwise added expressage is charged for conveyance from the city office to the College.

SCHOLARSHIPS.

The Helen E. Pelletreau Scholarship.

A fund has been raised by the Alumnæ to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved President of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Mrs. W. S. Miller, 4741 Bayard Street, Pittsburgh.

The Mary Hawes Nevin Scholarship.

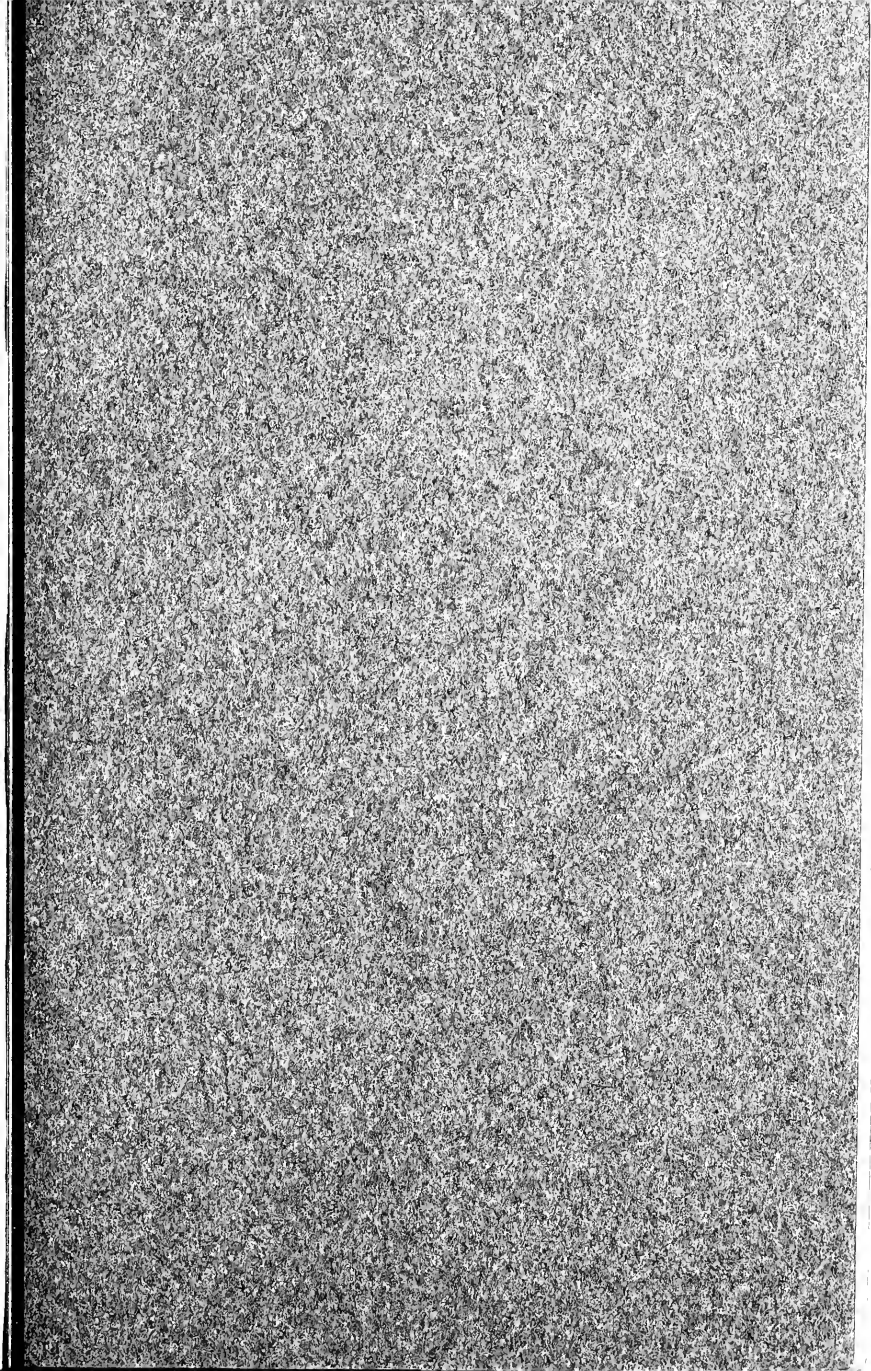
To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family have given the sum of \$6,000.00 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious of the advantage of a college course.

The Annie Dickson Kearns Medal.

This prize, founded by Mrs. W. L. Coyle in memory of her sister, Miss Annie Dickson Kearns, is a gold medal awarded annually to the student attaining the highest average grade during the Junior and Senior years in the Classical Course.

FORM OF BEQUEST.

I give, devise and bequeath to Pennsylvania College for Women, in Pittsburgh, Pa., the sum of..... Dollars, to be applied to the uses and purposes of said Institution, and under the direction of its Trustees.



1906 - 1907

PENNSYLVANIA COLLEGE
FOR WOMEN

PITTSBURGH

1906 - 1907

ENNSYLVANIA COLLEGE
FOR WOMEN

PITTSBURGH

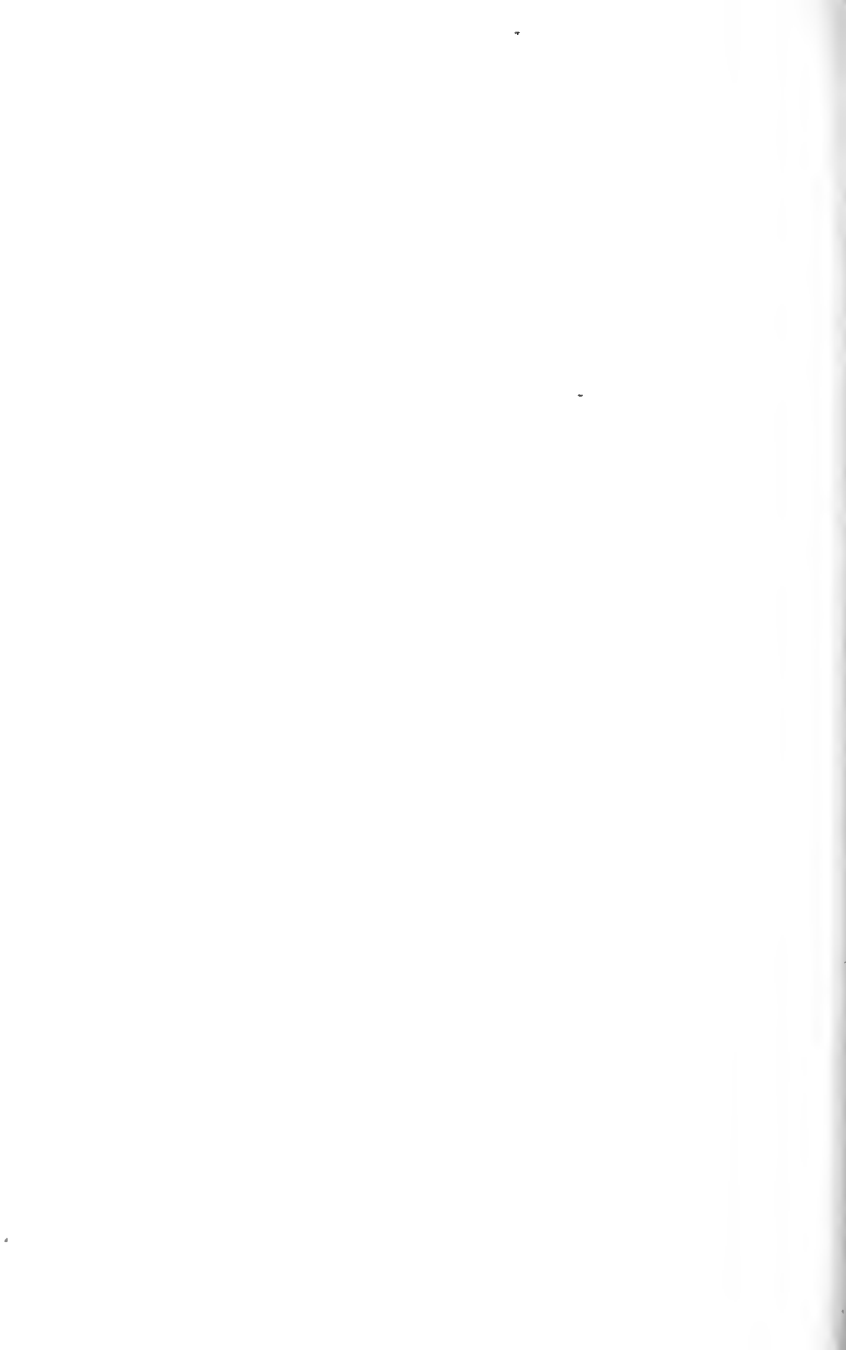


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1906

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	2	3	4	5	6	7	1	7	1	2	3	4	5	6	..	..	..	..	1	2	3	..	..	..	..	..	1
8	9	10	11	12	13	14	15	8	9	10	11	12	13	..	4	5	6	7	8	9	10	2	3	4	5	6	7
16	17	18	19	20	21	22	23	16	17	18	19	20	21	22	11	12	13	14	15	16	17	9	10	11	12	13	14
23	24	25	26	27	28	29	30	24	25	26	27	28	29	30	18	19	20	21	22	23	24	16	17	18	19	20	21
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25	26	27	28	29	30	..	30	31	..	..	..	..

1907

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	6	7	8	9	10	11	..	3	4	5	6	7	8	..	3	4	5	6	7	8	..	1	2	3	4	5	6
13	14	15	16	17	18	19	10	11	12	13	14	15	16	10	11	12	13	14	15	16	7	8	9	10	11	12	13
20	21	22	23	24	25	26	17	18	19	20	21	22	23	17	18	19	20	21	22	23	21	22	23	24	25	26	27
27	28	29	30	31	..	..	24	25	26	27	28	..	..	24	25	26	27	28	29	30	28	29	30	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	31	..	..	..	..	..	..	..	..	..	..	..	..	..

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	5	6	7	8	9	10	..	2	3	4	5	6	7	..	1	2	3	4	5	6	..	..	..	..	1	2	3
12	13	14	15	16	17	18	9	10	11	12	13	14	15	7	8	9	10	11	12	13	4	5	6	7	8	9	10
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
26	27	28	29	30	31	..	23	24	25	26	27	28	29	28	29	30	31	..	..	..	25	26	27	28	29	30	31
..	..	..	..	..	..	..	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	..	..	1	2	3	4	5	..	..	..	..	1	2	..	1	2	3	4	5	6	7
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
29	30	..	..	..	..	..	27	28	29	30	31	..	..	24	25	26	27	28	29	30	29	30	31	..	..	..	..
..

1908

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	5	6	7	8	9	10	..	2	3	4	5	6	7	1	2	3	4	5	6	7	..	..	..	1	2	3	4
12	13	14	15	16	17	18	9	10	11	12	13	14	15	15	16	17	18	19	20	21	12	13	14	15	16	17	18
19	20	21	22	23	24	25	16	17	18	19	20	21	22	22	23	24	25	26	27	28	19	20	21	22	23	24	25
26	27	28	29	30	31	..	23	24	25	26	27	28	29	29	30	31	..	..	..	..	26	27	28	29	30	..	..
..

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	3	4	5	6	7	8	..	7	8	9	10	11	12	..	..	..	1	2	3	4	..	..	..	..	..	1	8
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
24	25	26	27	28	29	30	28	29	30	..	..	..	..	26	27	28	29	30	31	..	23	24	25	26	27	28	29
31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	31	..	..	..	..	..

CALENDAR

1906

- 18 Sept., Tuesday..... Entrance Examinations.
- 18 Sept., Tuesday..... First Semester begins—enrollment.
- 19 Sept., Wednesday..... Recitations begin.
- 29 Nov., Thursday..... Thanksgiving Day.
- 21 Dec., Friday..... Christmas Vacation begins.

1907

- 7 Jan., Monday..... Recitations resumed.
- 28 Jan., Monday..... Midyear Examinations begin.
- 31 Jan., Thursday..... Day of Prayer for Colleges.
- 4 Feb., Monday..... Second Semester begins.
- 28 Mch., Thursday..... Spring Vacation begins.
- 8 April, Monday..... Recitations resumed.
- 18 May, Saturday..... May Day Fete.
- 3 June, Monday..... Final Examinations begin.
- 7 June, Friday, 3 P. M..... ALUMNAE MEETING.
- 7 June, Friday, 8 P. M..... Annual Concert.
- 8 June, Saturday, 3 P. M..... Class Day.
- 9 June, Sunday, 11 A. M..... Baccalaureate Sermon.
- 10 June, Monday, 8 P. M..... President's Inauguration.
- 11 June, Tuesday, 10 A. M..... COMMENCEMENT.
- 17 Sept., Tuesday..... Entrance Examinations.
- 17 Sept., Tuesday..... First Semester begins—enrollment.
- 18 Sept., Wednesday..... Recitations begin.
- 28 Nov., Thursday..... Thanksgiving Day.
- 20 Dec., Friday..... Christmas Vacation begins.

1908

- 6 Jan., Monday..... Recitations resumed.
- 27 Jan., Monday..... Midyear Examinations begin.
- 3 Feb., Monday..... Second Semester begins.
- 27 Mch., Monday..... Spring Vacation begins.
- 7 April, Tuesday..... Recitations resumed.
- 16 May, Saturday..... May Day Fete.
- 9 June, Tuesday, 10 A. M..... COMMENCEMENT.

BOARD OF TRUSTEES

TERM EXPIRES IN 1907.

REV. H. D. LINDSAY, D. D.,	OLIVER McCLINTOCK,
REV. J. K. McCLURKIN, D. D.,	DAVID McK. LLOYD,
MRS. E. H. NEVIN.	

TERM EXPIRES IN 1908.

REV. WILLIAM L. McEWAN, D. D.,	LAWRENCE DILWORTH,
WILLIAM H. REA,	LEE S. SMITH,
MRS. C. H. SPENCER.	

TERM EXPIRES IN 1909.

JUDGE J. J. MILLER,	W. N. FREW,
J. B. FINLEY,	J. C. GRAY,
MRS. W. S. MILLER.	

OFFICERS OF THE BOARD

OLIVER McCLINTOCK	<i>President.</i>
J. B. FINLEY	<i>Vice-President.</i>
WILLIAM H. REA	<i>Secretary.</i>
DAVID McK. LLOYD.	<i>Treasurer.</i>

STANDING COMMITTEES

Executive Committee.

WILLIAM H. REA. LAWRENCE DILWORTH, J. B. FINLEY,
J. C. GRAY, LEE S. SMITH.

Finance Committee.

J. B. FINLEY, J. C. GRAY, D. MCK. LLOYD.
HON. JOSEPH BUFFINGTON, LEE S. SMITH.

Committee on Faculty and Studies.

REV. J. K. MCCLURKIN, D. D., REV. H. D. LINDSAY, D. D.,
MRS. C. H. SPENCER, MRS. W. S. MILLER,
REV. WILLIAM L. MCEWAN, D. D.

Committee on House Visitation.

MRS. E. H. NEVIN, MRS. C. H. SPENCER, MRS. W. S. MILLER.

Auditing Committee.

J. C. GRAY, J. B. FINLEY, REV. WILLIAM L. MCEWAN, D. D.

FACULTY AND OFFICERS

HENRY D. LINDSAY, D. D., PRESIDENT.

Philosophy.

CORA HELEN COOLIDGE, B. L., (*Smith*), DEAN.

Political Science.

MARY JANE PIKE,

Professor Emeritus, Greek and Latin.

MARY W. BROWNSON, A. M., (*Washington and Jefferson*),

Biblical Literature and Modern History.

ALICE T. SKILTON, A. M., (*Smith*),

German Language and Literature.

JOSEPHINE DEVALLAY,

French Language and Literature.

ELIZABETH B. ARMSTRONG, A. B., (*Penna. College for Women*),

Mediaeval and English History.

LAURA CAROLINE GREEN, A. B., (*Wellesley*),

Latin Language and Literature.

AMELIA MONTGOMERY, A. M., (*Bryn Mawr*),

Chemistry and Biology.

GEORGE W. PUTNAM, A. M., (*Harvard*),

English Language and Literature.

DEBORAH E. LOVEJOY, A. B., (*Smith*),

Greek Language and Literature.

CARLON E. WHEELER, A. B., (*Bates*),

Mathematics.

JOSEPH H. GITTINGS,

Director of Music School—Piano.

INA FEW,

Voice.

WILLIAM H. OETTING,

Organ.

E. N. BILBIE,
Violin.

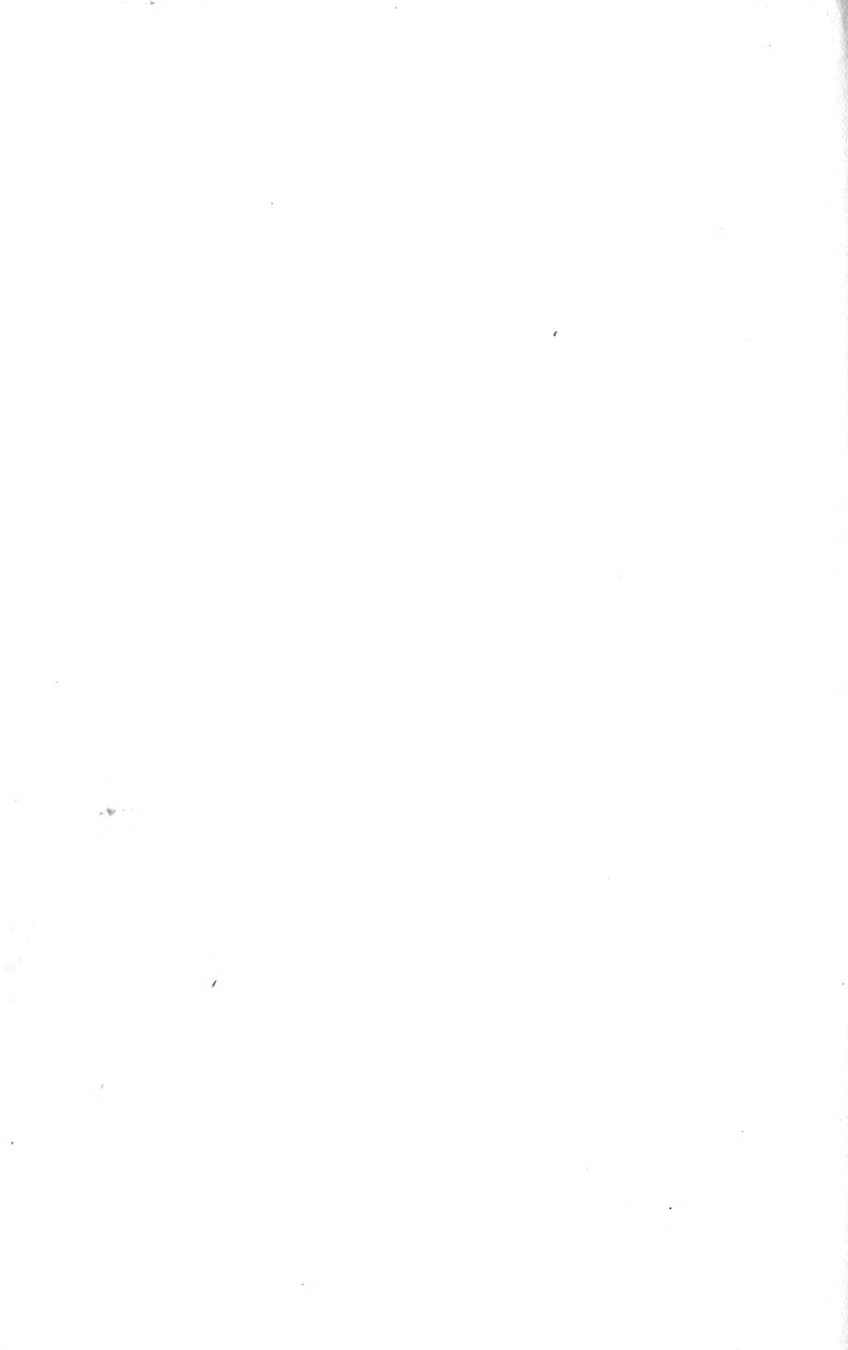
FRANCES McCREERY,
Art and Art History.

MARION KNAPP,
Physical Training.

EMMA MELLOU CAMPBELL, A. M., (*Westminster*),
Librarian.

FLORENCE I. ALLEN, A. B., (*Mt. Holyoke*),
Secretary to the President.

MRS. SARAH L. DRAIS,
House Mistress.



HISTORICAL STATEMENT

PENNSYLVANIA COLLEGE FOR WOMEN was founded to supply the need in Western Pennsylvania of an institution of higher learning, organized and maintained under distinctively Christian influences. The East End of Pittsburgh was chosen as the location best suited for such a centre of liberal education, and a campus of about eleven acres was secured upon a hill crest in immediate proximity to Fifth Avenue, and between the rapidly growing residence districts of East Liberty and Shadyside. The fine, old family residence already standing upon the property was remodeled and enlarged to meet the requirements of the new School, and at a later time received the name Berry Hall in memory of its former owner. The founding of the College was made possible by the generous gifts and the active co-operation of many interested friends; and its charter, granted in December 1869, authorized the conferring of degrees such as are "usually granted and conferred in other colleges of the United States of America," to students who should complete the offered courses of instruction in the liberal arts and sciences. The First Annual Catalogue, issued in 1870-71, shows a faculty of fifteen members, and a student body of one hundred and twenty-two, representing two years of work. The first class to be graduated comprised six students, who received their degrees in 1873.

Dilworth Hall, the second of the College buildings in order of erection, was named for Mr. Joseph Dilworth, the largest contributor toward its cost and a staunch friend and supporter of the institution. This structure was completed and dedicated in 1888. The Gymnasium was built in 1892, and connected with a new Music Hall in 1897.

ORGANIZATION AND AIMS

During the present year extensive changes have been made in methods of work. The Preparatory School has been separated from the College, and given a different name, organization, schedule of daily work, and for the most part its own building accommodation. The College curriculum has undergone careful revision, and the institution has now a number of professors whose time is given to purely college courses.

The entrance requirements of Pennsylvania College for Women are those of the eastern colleges. Its courses of study follow closely the lines of modern collegiate instruction. It is the aim of the College authorities, as it was the intention of its founders, to furnish to students from the populous region in which it stands such advantages and facilities as are enjoyed in the best institutions of learning, opportunities for liberal culture, and the maintenance of high ideals.

LOCATION

The College is situated in the East End of Pittsburgh, in the centre of the choicest residence sections of the city. The campus is a finely shaded tract of land embracing a hill top on which the buildings stand. The plot owned by the College is part of one many times as large, containing the homes of a few families of wealth. The entrance to this tract is by a private road, so that the College is practically located in a large private park, thus securing abundance of space and air, wide view, and fine opportunities for outdoor sports, combined with a delightful and wholesome seclusion not easy to command in a great city.

Not least among the benefits conferred upon the College by its position in the heart of Pittsburgh is its nearness to the Carnegie Institute. Here are found a splendid library, containing 245,000 volumes; a museum, rich in material for the

study of zoology, paleontology and ethnography; an art gallery, which maintains a valuable permanent collection of paintings, and exhibits each year work of the best living artists in Europe and America.

Any of the lines of electric cars running out Fifth Avenue from the downtown district will carry passengers very near the campus entrances on Murray Hill Avenue and Woodland Road; and cabs may be taken at the railway station which will convey travelers to the College. Baggage entering the city by the Pennsylvania lines should be checked to the East Liberty Station.

BUILDINGS

The buildings of the College are three in number, so connected as to be practically one, no exposure to the weather being involved in passing from one to another. They are so disposed as to receive the sunshine on all sides in the course of the day; they are heated by steam and lighted with gas. Berry Hall is four stories in height, and contains the living rooms of the faculty and resident students; on its lower floors are found the library, drawing rooms, class rooms and the offices of the President and the Dean. The Music Hall has a spacious Gymnasium on the first floor, and on the second, music studios and practice rooms. Dilworth Hall is devoted mainly to the uses of the Preparatory School, but affords also room for the Laboratories and Art Studio.

LIBRARY

The College Library, housed in Berry Hall, contains thirty-three hundred volumes. Students have access to its shelves from 8.15 A. M., to 9.30 P. M., daily. The collection is classified according to the Dewey system and provided with a card catalogue. A thorough reorganization has augmented

the working value of the books already on our shelves, and an appropriation of five hundred dollars during the present year has permitted the enlargement of the departmental collections.

READING ROOM

Adjacent to the Library is the well lighted and attractive reading room, supplied with daily and weekly newspapers, the standard monthly magazines and some quarterly reviews. Here is located also a circulating department of the newest fiction for the employment of recreation hours. The list of periodicals is given below.

American Journal of Archaeology, American Magazine, Atlantic Monthly, Classical Journal, Century Magazine, Cosmopolitan, Educational Review, The Forum, Harper's Magazine, Harper's Weekly, The Independent, The Index, The Ladies' Home Journal, Literary Digest, McClure's Magazine, The Outlook, Pittsburgh Bulletin, Popular Astronomy, Popular Science Monthly, Revue des Deux Mondes, Review of Reviews, Saint Nicholas, The Saturday Evening Post, Scribner's Magazine, The Studio, Success, The Woman's Home Companion, The Youth's Companion.

Six daily newspapers are taken and ten Church papers are kindly donated for the reading table by the publishers.

LABORATORIES

The Science Department is located on the third floor of Dilworth Hall, and is provided with a lecture room and with chemical and biological laboratories, supplied with all modern apparatus necessary for the pursuit of the courses offered. The chemical laboratory is equipped with accurate chemical balances, boiling and freezing point apparatus and other facilities for careful quantitative work. Connected with the chemical laboratory is a stock room situated in the basement of Dilworth Hall, from which duty free apparatus is lent to the

student for use in the laboratory. This apparatus remains the property of the College and may be returned at any time; but if broken or used up the student is required to replace it. While no attempt is made to maintain a museum, students have access to a very good collection of minerals, specimens of the rarer elements and their compounds, and representatives of the less readily prepared organic substances. Collections of mounted skeletons illustrating the comparative osteology of typical vertebrates of preserved and mounted zoological forms, and of charts and microscopical mounts supplement the laboratory equipment in Biology.

GYMNASIUM

The Gymnasium is a large, well ventilated building, equipped with chest weights, rowing machines, balance swings and other apparatus. Dressing rooms and locker rooms adjoin the main hall.

The Department of Physical Training offers to students in the College opportunities for developing bodily strength and grace through systematic and vigorous exercise. Special attention is given to corrective exercises and to aesthetic dancing. The Swedish system of gymnastics is taught, and the lessons are so graded and adapted to the strength of the individual that they are healthful to the most delicate constitution. The course of two lessons weekly is optional with college students, but every student is advised to undertake the work for its resulting physical benefits as well as for the enjoyment derived from it.

Each student undergoes physical examination by the Director upon entrance, and again at the end of the semester. The regulation costume is a suit of black serge with white vest.

REQUIREMENTS OF ADMISSION

Registration blanks are provided by the College for the use of applicants for admission, and will be forwarded upon request. These blanks, properly filled and signed, should be in the hands of the President by September 1st. A registration fee of five dollars will be charged. This will be credited on the first payment for tuition, or speedily refunded if notification of withdrawal is sent before August 15th.

All applicants for admission, whether to the freshman class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character. Those who come from other colleges must also bring certificates of honorable dismissal. Admission to the freshman class may be gained either by examination or by presentation of certificate from an approved high school or academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION

Applicants for admission may be examined either during the week preceding Commencement or on September 19. Those who wish to be examined in June should notify the President before June 1st; those who wish to be examined in September, before September 12th.

ADMISSION ON CERTIFICATE

Students from such high schools and academies as may be approved by the Faculty are admitted to the freshman class without examination on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested

to present their certificates, or send them by mail to the President during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly the equivalents offered must be stated in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all the requirements. Students received on certificate are regarded as upon probation during the first semester, and those deficient in preparation may be dropped whenever the deficiency has been clearly demonstrated.

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing who come from other colleges must present satisfactory college certificates for all prescribed studies below the desired grade, and for enough of elective work to make up their full quota of hours. Students who do not come from other colleges, if they desire advanced credit must pass examinations in subjects offered as college work. Preparatory courses are not accepted as equivalent to collegiate work without examination. No student will be accepted to candidacy for the baccalaureate degree after the beginning of the senior year.

ADMISSION AS SPECIAL STUDENTS

Students who have not satisfied the matriculation requirements may be admitted to special courses for which they are adequately prepared; they must however satisfy the College authorities as to their preparation and ability to carry the desired work either by passing examination upon antecedent courses, or by presenting certificates. Special students must consult the Dean concerning courses of study, and their work will be arranged by her in consultation with the heads of de-

partments. Such students are responsible for the completion of courses undertaken, and certificates will be given for work of this kind upon application. Credits for these courses cannot count toward a degree unless the student shall at some time subsequent to her entrance meet matriculation requirements and make up the necessary number of hours.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS

I. *Languages (Other Than English).*

(1) *Latin.* (These requirements are based upon the recommendations of the American Philological Association).

a. i. *LATIN GRAMMAR:* The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

ii. *LATIN COMPOSITION:* Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.

b. *CÆSAR:* Any four books of the *Gallic War*, preferably the first four.

c. *CICERO:* Any seven orations from the following list, but preferably the first six mentioned, (Manilian Law being accepted as the equivalent of two orations.)

The four orations against Cataline, Archias, Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.

d. *VERGIL:* The first six books of the *Æneid*.

Pronunciation after the Roman method is preferred. Equivalents will be accepted, but verse will not be considered a substitute for

prose, nor will anything be accepted for translation of English into Latin. An examination in sight reading will be given.

NOTE. If physics be offered, a three years' course in one of the following languages, and if Physics be not offered, an additional course of at least one year in a second, is required.

(2) *French.*

MINIMUM REQUIREMENT (third language).

- a. Essentials of French grammar. Thorough knowledge of the four conjugations, irregular verbs, elementary use of syntax and word order.
- b. The ability to translate at sight easy French into idiomatic English. This can be acquired by reading not less than two hundred pages of graduated texts, such as, Halévy's *L'Abbe Constantin*, Lamartine's *Grazielle*, Le Brête's *Mon oncle et mon curé*.
- c. Ability to translate at sight easy English into correct French. This can be acquired by the study of any good grammar and composition books, such as Francois' Composition, first and second books. Careful drill in correct pronunciation, writing from dictation, memorizing selected prose and poetry.

At least one year, five recitations a week, should be spent on this requirement.

MAXIMUM REQUIREMENT (second language).

- a. Thorough knowledge of grammar; word formation, syntax, word order. Thorough knowledge of irregular verbs.
- b. Ability to translate at sight ordinary modern and classical prose and poetry into good English. This may be acquired by reading in addition to the amount specified in the minimum requirement, at least five hundred pages of advanced French, such as George

Sand's *La Mare au diable*, Dumas' *La Tulipe noire*, Victor Hugo's *La Chute* and *Les Travailleurs de la mer*, Daudet's *Lettres de mon moulin*, Madame de Sevigné's *Lettres*.

- c. Ability to translate ordinary English into French. This may be obtained by constant oral and written exercises and the use of Chardenal's Advanced French Prose Composition.
- d. Ability to follow a recitation conducted in French, to answer questions asked in that language and give brief resumes in French of the contents of the texts read. Frequent practice in writing from dictation and memorizing of poems such as La Fontaine's *Fables* and select prose passages are recommended. Three years, five recitations a week, should be spent on this requirement.

(3) German.

MINIMUM REQUIREMENT (third language).

- a. Essentials of German grammar. This includes the declension of nouns, adjectives and pronouns, conjugation of verbs, the use of prepositions and conjunctions, elementary rules of syntax and word order.
- b. Ability to translate at sight easy German into correct English. This may be acquired by the reading of not less than two hundred pages of graduated texts such as found in any good reader, or in such books as Grimm's *Marchen*, Heyse's *L'Arrabbiata*, Storm's *Immensee*, Von Hillern's *Höher als die Kirche*, Gerstacker's *Germelshausen*, Seidel's *Leberecht Hühnchen*.
- c. Ability to translate at sight easy English sentences into German. This result may be obtained by the study of any good grammar, translation of para-

phrases of the text and the use of an easy composition book, such as, Bernhardt's Prose Composition. Careful drill in pronunciation, intelligent reading of the German text, writing from dictation, memorizing of selected passages, and the use of simple German phrases in the classroom are recommended.

At least one year, five recitations a week, should be spent on this requirement.

MAXIMUM REQUIREMENT (second language).

- a. Thorough knowledge of Grammar, including accidence, word formation, syntax, word order, the uses of the modal auxiliaries, and of the subjunctive and infinitive moods.
- b. Ability to translate at sight ordinary modern and classical German prose or poetry into good English. This may be acquired by reading in addition to the amount specified in the minimum requirement, at least five hundred pages of advanced German. Graduated texts may be selected from such works as Jensen's *Die braune Erica*; Hauff's *Das Kalte Herz*; Baumbach's *Der Schweigersohn*; Riehl's *Burgneideck* and *Fluch der Schönheit*; Heine's *Die Harzreise*; supplemented by selected texts from the classical writers such as Schiller's *Wilhelm Tell*, *Jungfrau von Orleans* and *Balladen*; Goethe's *Hermann and Dorothea*, *Iphigenia*, and *Dichtung und Wahrheit*; Lessing's *Minna von Barnhelm*; Freytag's *Aus dem Staat Friedrichs des Grossen*, and *Doktor Luther*.
- c. Ability to translate ordinary English into German. This result may be obtained by constant practice in oral and written reproductions, re-translation of paraphrases of texts and the use of a good text book of German Composition such as Jagemann's or Harris' German Prose.

- d. Ability to follow a recitation conducted in German, to answer questions asked in that language and to give brief resumes in German of the contents of the texts read. Frequent practice in writing from dictation and the memorizing of selected passages are recommended.

Three years, five recitations a week, should be spent on this requirement.

(4) GREEK. (These requirements are based upon the recommendations of the American Philological Association.)

- a. i. GREEK GRAMMAR: The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.
- a. ii. GREEK PROSE COMPOSITION, consisting principally of detached sentences to test the candidate's knowledge of grammatical construction.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

- b. XENOPHON: The first four books of the *Anabasis*.
- c. HOMER: The first three books of the *Iliad* (omitting II, 494-end).

An examination in sight reading will be given, based on passages from the *Anabasis*.

II ENGLISH

The requirements in English are those recommended by the Conference on Uniform Entrance Requirements in English for Middle States and Maryland.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

a. READING.—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. The candidate is expected to read intelligently all the books prescribed. She is not expected to know them minutely, but to have fresh in mind their most important parts. *In every case knowledge of the book will be regarded as less important than the ability to write good English.* In preparation for this part of the requirements, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:

In 1906, 1907 and 1908.—Shakespeare's *Macbeth* and *The Merchant of Venice*; The *Sir Roger de Coverley Papers*; Irving's *Life of Goldsmith*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe* and *The Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine* and *The Passing of Arthur*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

In 1909, 1910, 1911.—Group I (two to be selected): Shakespeare's *As You Like It*, *Henry V*, *Julius Caesar*, *Merchant of Venice*, *Twelfth Night*.

Group 2 (one to be selected): Bacon's *Essays*; Bunyan's *The Pilgrim's Progress*, Part I; Addison's *Sir Roger de Coverley*; Franklin's *Autobiography*.

Group 3 (one to be selected): Chaucer's *Prologue*; Spenser's *Faerie Queen* (selections); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Cowper and Burns.

Group 4 (two to be selected): Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe* and *Quentin Durward*; Hawthorne's *House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dicken's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group 5 (two to be selected): Irving's *Sketch Book* (selections); Lamb's *Essays of Elia*; De Quincy's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies*.

Group 6 (two to be selected): Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), with especial attention to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Lancelot and Elaine*, *The Passing of Arthur*, *Gareth and Lynette*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Herve Riel*, *Pheidippides*.

b. STUDY AND PRACTICE.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this examination will be:

In 1906, 1907, 1908.—Burke's *Speech on Conciliation with America*; Macauley's *Essay on Addison, Life of Johnson*; Milton's *L'Allegro, II Penseroso, Comus and Lycidas*; Shakespeare's *Julius Cæsar*.

Attention is called to the following recommendations of the Conference on Uniform Entrance Requirements in English:

1. That English be studied throughout the elementary and secondary school courses, and, when possible, for at least three periods a week* during the four years of the high school course.

2. *That the prescribed books be regarded as a basis for such wider courses of English study as the schools may arrange for themselves.*

3. That where careful instruction in idiomatic English translation is not given, supplementary work to secure equivalent training in diction and in sentence structure be offered throughout the high school course.

4. *That a certain amount of outside reading, chiefly of poetry, fiction, biography and history, be encouraged throughout the entire school course.*

5. That definite instruction be given in the choice of words, in the structure of sentences and of paragraphs, and in the simple forms of narration, description, exposition and argument. Such instruction should begin early in the high school course.

6. That systematic training in speaking and writing English be given throughout the entire school course. That, in the High School, subjects for composition be taken partly from the prescribed books and partly from the student's own thought and experience.

7. That each of the books prescribed for study be taught with reference to.

a. The language, including the meaning of words and sentences, the important qualities of style, and the important allusions.

b. The plan of the work, *i. e.*, its structure and method.

c. The place of the work in literary history, the circumstances of its production, and the life of its author.

8. That all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

III MATHEMATICS

1. Algebra.—Elementary operations, radicals, theory of exponents, quadratic equations, ratio and proportion, arithmetic and geometric progression, and binomial theorem for positive integral exponents.

The use of graphical methods in connection with the solution of equations is expected.

2. Plane Geometry.—First five books with numerous original exercises.

During the year preceding entrance to College there should be a review of both subjects.

IV SCIENCE

Physics, Carhart and Chute, *Elements of Physical Science*, or equivalent. Laboratory work consisting of at least forty experiments taken from the manual must be shown by note-

book certified by the instructor to be the original work of the student. As noted above, one year of a third language may be substituted for Physics.

V HISTORY

1. Ancient History with special reference to Greek and Roman History, but including also a short introductory study of the Ancient East and extending to 800 A. D.

2. English History with due reference to social development and the growth of political institutions.

Students must present such supplementary evidence of the character of their preparation as notebooks, maps, and digests of collateral reading.

DEGREES

The degree of Bachelor of Arts is given to students who have satisfactorily completed courses amounting in all to fifty-six hours of college work.

The degree of Master of Arts is conferred upon Bachelors who hold the degree of Arts from this college or from some other college of equal standing, and who have satisfactorily completed one full year of graduate work under the direction of the Faculty. In exceptional cases the work may be done in absentia, an examination of the candidate being required as a test of fitness to receive the degree. A detailed statement of the conditions of graduate study may be found on page 31.

REGULATION OF STUDIES

The unit of time used in measuring the value of work is the year hour,—that is, one full hour of class work weekly during a college year.

The minimum requirement for a degree is fifty-six hours for each year of the college course the requirement is fourteen hours weekly. Two deviations from this rule are provided for in the scheme of work.

1. By special permission of the Faculty, the allotment for a year may be increased to sixteen hours for students capable of maintaining a uniformly high grade of scholarship, and anxious to prepare for advanced courses in a chosen department.

2. At the beginning of the Senior year, a student who has carried her earlier years of work with distinction may make application for a reduction of the number of required hours, in order that she may do intensive work in a department where she has already shown aptitude. With the consent of the Dean and Head of the Department in which the special work is to be done, she may undertake a schedule of twelve hours.

The total requirement for the degree in Arts is made up as follows:

Latin, three hours,

French,	}	six hours,
or		
German,		
or		
Greek,	}	

English, seven hours,

Mathematics, three hours,

Science, three hours,

Philosophy, four hours,

History, three hours,

Biblical Literature, four hours,
Elective work, twenty-three hours.

Each hour of class work is supposed to require two hours of preparation.

ELECTIVE WORK

In the first semester of the Freshman year, fourteen hours of work are prescribed; in the second semester, twelve hours are prescribed and the election of two hours permitted. Students prepared to undertake sixteen hours of study under provision 1 on page 28 may elect courses of one, two, or three hours which are designated in the Descriptive Statement on pages 32-54 as open to Freshmen. In ordinary cases, two hours of work are to be elected in the Sophomore year, eight and one-half hours in the Junior year, eleven and one-half hours in the Senior year.

All elections are subject to the approval of the Faculty. Not more than six hours may be elected in a single department in any semester. The Faculty retains the option of forming a class in any elective course when fewer than six students apply for registration.

ATTENDANCE UPON CLASS EXERCISES

The grade of work done by a student is necessarily affected by irregularity of attendance upon lectures or recitations. Special examinations may be required if the number of avoidable absences for any semester shall exceed the limits of moderation.

Opportunities are occasionally offered for attendance upon lectures given in the city which are connected in subject with courses offered by the College. Upon notification by the instructor concerned, students will be expected to attend such lectures, and may have them counted as part of the required work of the courses to which they are allied.

EXAMINATIONS

General Examinations are held in all subjects at Mid-year and at the close of the College year. Partial examinations may be given at the discretion of the instructor. Examinations taken for the removal of conditions, or for the securing of credit for private work are scheduled for the opening days of a semester, but may be appointed for other times under special conditions.

Students failing to present themselves for examinations in course may secure private examinations by permission of the Dean and upon payment of a fee of two dollars. If several examinations are to be taken under one permit, a fee of three dollars shall cover the list.

REPORTS

A student whose work in any course is unsatisfactory will be conditioned in this subject at the end of the semester. This condition must be removed by the doing of an assigned amount of supplementary work within time-limits set by the instructor, and if considered necessary, under the direction of a tutor. If the condition is not removed at the expiration of the time-limit, the work of the course will be considered a failure. Failure in a required course must be made good by the repetition of the course at the time when it is next regularly given.

Entrance conditions are ordinarily to be made good within the first year of college attendance. No student can retain her entrance classification if she continues to carry conditions exceeding five year hours.

CONDITIONS

Reports of the scholarship of students are sent out at the end of a semester to any parents or guardians who may request such statements. A student may learn her standing in classes by making application to the Dean at the end of a semester.

GRADUATE WORK

The graduate work of the College is in the hands of a special committee of the Faculty, which receives applications for registration, and advises accepted students as to the proper courses to be undertaken. Graduates of the Pennsylvania College for Women, or of other institutions in which the requirements for a baccalaureate degree are substantially equivalent, may, upon recommendation of the Committee of Graduate Study, enter upon work for the degree of Master of Arts.

Advanced courses appropriate for graduate study leading to the higher degree are described in the outlines of courses of various departments. Some courses are open to both graduate and undergraduate students; graduates pursuing these courses must maintain a standard of work sufficiently high to satisfy the Committee of Graduate Study in order to receive graduate credit.

The amount of work required of a candidate for the degree of Master of Arts is equivalent to fifteen hour courses, pursued during a period of residence not shorter than one year. Candidates for this degree are required to pass examinations in one major and at least one minor subject, which have been determined upon not later than October 15th of the year in which the examinations will be taken. While the student is advised to choose one minor subject, she may, with the approval of her examining committee, select a second minor in the same department as the major. The major and one minor must be in separate departments in order that the heads of at least two departments in which she pursues courses shall conduct the examinations; but the subjects should be so related as to indicate a definite acquisition in scholarship on the part of the student. A thesis on the major subject, due not later than May 1st, will be required to complete the work for the Master's degree.

A graduate of the Pennsylvania College for Women who has completed one full year of continuous graduate study in an American University of high standing may make application to the Graduate Committee, or to the Committee on Scholarship and Standing of the College, for the degree of Master of Arts and this degree may be granted upon condition that she comply with the following requirements:

1. She shall present the University Registrar's certificate of credit for graduate work completed, and a letter from the Chairman of her Examining Committee of the University certifying that her scholarship and amount of work successfully finished entitle her to the University examination for the Master's degree, and that he approves her application for such a degree from the Pennsylvania College for Women.

2. She shall submit to the Graduate Committee of Pennsylvania College a satisfactory thesis based upon her graduate study.

3. She shall present herself for examination for the Master's degree at the time and place specified by the Graduate Committee.

Tuition and laboratory fees paid by graduate students are the same as those paid by undergraduates. The charge for a diploma is ten dollars.

CURRICULUM SCHEDULE

Freshman Year. 1st Semester.	Freshman Year. 2d Semester.	Sophomore Year.	Junior Year.	Senior. Year.
Latin. Course 1. 3 hours. Rhetoric. Course 1. 2 hours.	Latin. Course 2. 3 hours.	English Literature. Course 4. 2 hours.	English Course 6. 2 hours.	Philosophy. Course 3. 1½ hours.
English Literature. Course 1. 2 hours.	Rhetoric. Course 1. 2 hours.	Science, Chemistry 1, or Biology 1. 3 hours.	Philosophy. Courses 1 and 2. 2½ hours.	Bible. Course 4. 1 hour.
French, or German, or Greek. 3 hours.	French, or German, or Greek. 3 hours.	French, or German, or Greek. 3 hours.	Bible. Course 3. 1 hour.	Elective. 11½ hours.
Mathematics. Courses 4 and 5. 3 hours.	Mathematics. Courses 5 and 6. 3 hours.	History. Courses 1 and 2. 3 hours.	Elective. 8½ hours.	
Bible. Course 1. 1 hour.	Bible. Course 1. 1 hour.	Bible. Course 2. 1 hour.		
	Elective. 2 hours.	Elective. 2 hours.		
14	14	14	14	14

COURSES OF INSTRUCTION

PHILOSOPHY

DR. LINDSAY, MISS COOLIDGE, MR. WHEELER.

1. **PSYCHOLOGY.** The aim in this Course is to give the student a knowledge of the laws and the phenomena of the mind, as well as to cultivate the power of thought.

Dr. Lindsay.

Required of juniors. 3 hours, first semester.

2. **LOGIC.** In this Course, effort is made to give the student a thorough knowledge of logic as a science, and of the application of the Syllogism to the forms of deductive reasoning.

Mr. Wheeler.

Required of juniors. 2 hours, second semester.

3. **ETHICS.** Mackenzie's *Manual of Ethics* is the text-book used in this Course, but the students are referred to other works in order that they may be made acquainted with the leading systems of Ethics, and may also get a clear conception of the basis of obligation and the fundamental principles of morality.

Dr. Lindsay.

Required of seniors. 3 hours, first semester.

4. **HISTORY OF PHILOSOPHY.** An introductory outline of Greek philosophy is followed by a study of the development of modern philosophy. The work of the Course will include constant reference to the standard histories of philosophy.

Dr. Lindsay.

Elective, open to all who have taken the required work in Psychology. 2 hours, second semester.

5. **CHRISTIAN EVIDENCES.** In this Course the aim is to give a complete outline of the grounds upon which the Christ-

ian system rests, in order that the student may be made acquainted with the arguments for Theistic and Christian belief.

Dr. Lindsay.

Elective, open to seniors, juniors and sophomores. 2 hours, first semester.

6. EDUCATION.

- a. History of Education. The development of educational ideals, material and methods, with special attention to the study of the great educational reformers.
- b. Contemporary Educational Principles and Problems. Class reports and discussions, lectures, papers.

Miss Coolidge.

Elective. 2 hours, second semester.

HISTORY

MRS. ARMSTRONG, MISS BROWNSON.

1. THE MEDIÆVAL PERIOD. The history of Europe from the fourth to the fifteenth century. The object of this Course is to give a general survey of the political, social and ecclesiastical history of Europe from Constantine to the Treaty of Verdun. Particular attention is paid to the causes of the Fall of Rome, the Barbarians, the Development of the Church, Feudalism. The work of the department is conducted by means of textbooks, topical outlines, maps and lectures.

Mrs. Armstrong.

Required of sophomores. 3 hours, first semester.

2. THE MEDIÆVAL PERIOD (continued). The history of Europe from the Feudal Age to the Renaissance. In this Course particular attention is given to the dominating influence of the Church; the formation of the European states; the Holy Roman Empire; the Crusades. The work is conducted as in the first semester.

Mrs. Armstrong.

Required of sophomores. 3 hours, second semester.

3. THE MODERN PERIOD. A study of the history of Europe from the beginning of the Renaissance to the Treaty of Westphalia, 1648. This Course is a special study of the political and religious history of Europe during the Reformation.

Miss Brownson.

Elective, open to those who have completed Courses 1 and 2. 3 hours, first semester.

4. THE MODERN PERIOD (continued). A history of Europe from the close of the Thirty Years' War to the Congress of Vienna, 1815. Special attention is given to the rise of Prussia, the French Revolution and the Napoleonic Wars.

Miss Brownson.

Elective, open to those who have completed Courses 1, 2 and 3. 3 hours, second semester.

5. ENGLISH HISTORY. The work of this Course is an outline of English history, political and constitutional, from the English Conquest to the reign of Henry VII, conducted by means of topical outlines, maps and lectures.

Mrs. Armstrong.

Elective, recommended to sophomores wishing to specialize in English literature, but open to all students. 2 hours, first semester.

6. ENGLISH HISTORY. This course is a continuation of Course 5, from the reign of Henry VII to the present time. Special attention is given to the establishment of parliamentary control and the development of cabinet government.

Mrs. Armstrong.

Elective, open to those who have completed Course 5. 2 hours, second semester.

7. EUROPE IN THE NINETEENTH CENTURY. A study of the political history of Europe from 1815 to 1900.

Miss Brownson.

Elective, open to graduates and seniors who have taken Courses 3 and 4. 3 hours through the year.

HISTORY OF ART

MISS MCCREERY.

1. History of Italian Painting.

Elective, open to seniors and juniors. 3 hours, first semester.

2. History of Painting in France, Spain, the Lowlands, Germany, England.

Elective, open to students who have taken Course 1. 2 hours, second semester.

GREEK

MISS LOVEJOY.

MISS GREEN.

1. GRAMMAR AND PROSE COMPOSITION, *First Greek Book* (White); XENOPHON, *Anabasis* (Goodwin and White.)

3 hours, through the year.

2. XENOPHON, *Anabasis* continued through Book IV; HOMER, *Iliad* (Seymour), Books I, II and III. Greek Prose Composition (Pearson).

3 hours, through the year.

Courses 1 and 2 are open to students not offering Greek in College preparation. Course 2 is open to students entering College with one year of Greek as third language.

3. PLATO, *Apology*, *Crito*; XENOPHON, *Memorabilia*. Greek Prose Composition.

3 hours, first semester.

4. HOMER, *Odyssey*, Selections from Books I-XII. The epic will be studied as a whole from the literary standpoint; Homeric life and antiquities will be studied in detail. Greek Prose Composition.

3 hours, second semester.

5. DEMOSTHENES, *Oration on the Crown*; Lectures and collateral reading on the Attic orators, legislative bodies and law practice in Athens.

3 hours, first semester.

6. AESCHYLUS, *Prometheus Bound* (Mather); SOPHOCLES, *Œdipus Tyrannus* (Earle); EURIPIDES, *Medea*. Private reading on the archæology of the drama (actors, costumes, buildings, etc.).

3 hours, second semester.

7. HERODOTUS, Books VI and VII, and a study of the Persian Wars.

Elective. 2 hours, one semester.

8. THUCYDIDES, and a study of the Peloponnesian War.

Elective. 2 hours, one semester.

9. HISTORY OF GREEK LITERATURE: Lectures with private reading assigned in Greek and English.

Elective, open to juniors and seniors. 2 hours, through the year.

10. PLATO, *Phædo*.

Elective, open to juniors and seniors. 2 hours, one semester.

11. ARISTOPHANES, *Frogs* or *Clouds*; Selections from the Lyric Poets.

Elective, open to juniors and seniors. 2 hours, one semester.

12. ADVANCED GREEK PROSE: Constructive study of Greek syntax and style.

Elective, advised for those intending to teach Greek. 2 hours, one semester.

13. INTRODUCTION TO GREEK ARCHÆOLOGY.

An outline course in the study of Greek pottery, architecture, sculpture and minor antiquities, illustrated as far as possible.

Elective. 2 hours. first semester.

LATIN

MISS GREEN.

1. LIRY, Selections from Books I, XXI, XXII.
Required of freshmen. 3 hours, first semester.
2. HORACE, *Odes and Epodes*.
Required of freshmen. 3 hours, second semester.
3. LATIN PROSE COMPOSITION.
Elective, open to freshmen to supplement the work of the first semester. 1 hour, second semester.
4. MYTHOLOGY, Based upon Ovid.
Elective, open to all students. 1 hour, second semester.
5. CICERO, *Letters*. Lectures and readings upon the topography of Ancient Rome.
Elective, open to students who have completed Courses 1 and 2. 3 hours, first semester.
6. CICERO, *De Sentectute* and *De Amicitia*.
Elective, open to students who have completed Courses 1 and 2. 3 hours, second semester.
7. TACILUS, *Annals*.
Elective, open to students who have completed Courses 1 and 2. 2 hours, first semester.
8. TACILUS, *Germania* and *Agricola*.
Elective, open to students who have completed Courses 1 and 2. 2 hours, second semester.
9. PLINY, *Letters*. Study of political and social conditions under the early empire.
Elective, open to students who have completed Courses 1 and 2. 2 hours, first semester.
10. HORACE, *Satires* and *Epistles*.
Elective, open to students who have completed Courses 1 and 2. 2 hours, second semester.

11. LATIN COMEDY: Selected plays of Plautus and Terrence.

Elective, open to juniors and seniors. 3 hours, one semester.

12. HISTORY OF LATIN LITERATURE: Lectures with private reading assigned in Latin and English.

Elective, open to juniors and seniors.

2 hours, through the year.

13. ADVANCED PROSE COMPOSITION: Constructive study of Latin syntax and style.

Elective, advised for those intending to teach Latin. 2 periods, one semester.

GERMAN

1. ELEMENTARY COURSE. Grammar, prose composition, reading of short stories and plays by modern writers, memorizing of poetry, conversation.

Open to students who presented no German at entrance. 3 hours, through the year.

2. INTERMEDIATE COURSE. Reading of modern German prose, and of the simpler classical dramas; grammar, prose composition, conversation.

Open to students who presented the minimum requirement in German or who have taken Course 1. 3 hours, through the year.

3. COURSE IN GERMAN CLASSICS. Reading from the dramas and poems of Goethe, Schiller and Lessing. Lectures in the German language upon the classical period. Essays and oral reports upon assigned topics.

Open to students who presented the maximum requirement in German or who have taken Courses 1 and 2. 3 hours, through the year.

4. OUTLINE HISTORY OF GERMAN LITERATURE. Study of the development of German Literature from the earliest times to the close of the eighteenth century. Lectures and

recitations, supplemented by constant reference to the standard histories of literature and by reading of representative works.

The reading of the first semester includes the mediæval epics in modern German translation, the Minnegesang, Meistergesang, Volkslied; that of the second semester, selected works from the writers of the eighteenth century.

Open to students who have taken Courses 1, 2, 3, or to graduate and advanced students who can read and speak German fluently. 3 hours, through the year.

5. THE GERMAN DRAMA. Study of the development of the German Drama with special reference to the nineteenth century. Rapid reading of representative works, lectures, essays, oral reports.

Open to students who have taken Courses 3 and 4 or to graduates. 2 hours, through the year.

6. THE GERMAN NOVEL. Study of the development of the German Novel with extensive reading of modern and current fiction, lectures, essays, oral reports.

Open to advanced students or graduates who can read and speak German fluently. 2 hours, through the year.

7. ADVANCED GERMAN PROSE AND SYNTAX. Selected passages from English authors translated into idiomatic German. Original themes upon topics, assigned. Study of idioms, synonyms and syntax.

Open to students who have taken Courses 1 and 2 or their equivalent, especially recommended to those who expect to teach German. 1 hour, through the year.

8. GÖTTE'S FAUST. Study of Göethe's Faust. Parts I and II. Development of the Faust legend, and the genesis of Göethe's Faust. Methods of Faust interpretation.

Open to juniors and seniors of sufficient advancement. 3 hours, one semester.

9. HEINE AND THE ROMANTIC SCHOOL. Lectures upon the life and times of Heine with readings from his works.

Open to students who have taken Courses 3, and 4. 2 hours, one semester.

10. GERMANIC PHILOLOGY.

a. Gothic.

Grammar—Ulphilas' translation of the Bible. Lectures upon the development of the German language.

b. Middle High German.

Grammar.—Selections from the Niebelungenlied, from Hartman von Aue, Wolfram von Eichenbach, lectures.

Open to seniors and graduates. 2 hours, through the year.

11. LECTURES UPON THE HISTORY OF GERMAN LITERATURE. These lectures are given in English and are intended to give to students who are not specializing in German, a brief survey of the principal movements in German Literature.

Open to all students. 1 hour, through the year.

NOTE.—With the exception of Course 11, German is the language of the class-room and is required in all recitations. A German Club will be formed for conversational practice if desired by a sufficient number of students.

FRENCH

MADAME DE VALLAY.

I. ELEMENTARY COURSE. Grammar, thorough drill on verbs—reading works of Colin, Labiche et Martin, Sandeau, About, Michelet, Fables de La Fontaine, committed to memory—dictation, composition, conversation.

Offered to freshmen who have presented no French at entrance. 3 hours, through the year.

2. INTERMEDIATE COURSE. Grammaire Litteraire. Lectures on the history of French literature of the eighteenth century accompanied by collateral reading of representative French authors. Drill in letter writing. English translated into idiomatic French, dictation, composition.

Open to students who have presented the maximum entrance requirements. 3 hours, through the year.

3. OUTLINE HISTORY OF FRENCH LITERATURE. Histoire de la Litterature Francaise. Lectures on the French literature of the seventeenth century. Collateral reading from the leading authors of the time; Boileau, Corneille, La Fontaine, Moliere, Descartes, Pascal. Composition, conversation.

Open to students who have had Course 2. 3 hours, through the year.

4. THE PRECURSORS OF THE FRENCH ROMANTIC SCHOOL. Lectures on representative authors. Reading selections from Madame de Stael, Madame de Lafayette, Rousseau Chateaubriand, Lamartine. Composition, conversation.

Open to students who have had Course 3 or its equivalent. 3 hours, through the year.

5. ORIGIN AND DEVELOPMENT OF THE FRENCH LANGUAGE. Lectures on the literature of the sixteenth century. Reading selections from representative authors. Composition, conversation.

Elective, open to students who have had Course 2 or its equivalent. 2 hours, through the year.

6. CLASSICAL TRAGEDIANS AND COMEDIANS. Lectures on Racine, Corneille, Moliere with a critical study of their works. Composition, conversation.

Open to students who have had Course 3. 2 hours, through the year.

7. FRENCH LITERATURE OF THE NINETEENTH CENTURY. Lectures on representative authors. Reading works of Daudet, V. Hugo, Rostand. Composition and conversation.

Elective, open to students who have had Course 3 or its equivalent. 2 hours, through the year.

8. ADVANCED FRENCH PROSE. Selected English authors translated into idiomatic French. Thorough study of syntax, idioms and synonyms. Brunot: Grammaire des Grammaires. Composition, conversation.

Elective, open to students who have had Course 5 and recommended to those who wish to teach French. 1 hour, through the year.

9. THE FRENCH DRAMA OF THE NINETEENTH CENTURY, with brief resume of its earlier development. Rapid reading course. Composition based upon works read. Topics assigned for reports. Conversation.

Elective, open to students who have had Course 3. 2 hours, through the year.

10. FRENCH EPICS. Lectures on La Chanson de Roland, La Henriade, La Legende des Siecles. Reading, The Epics.

Elective, open to students who have had Course 9. 2 hours, through the year.

11. CURRENT EVENTS. Discussion of political and literary questions of the day with supplementary reading of history, novels and magazine articles in relation to subjects. The course is strictly conversational.

Elective, offered to graduates and students who have had Courses 3, 8, or their equivalent. 1 hour, through the year.

RHETORIC

MR. PUTMAN, AND ASSISTANTS.

1. ENGLISH COMPOSITION. Daily or weekly themes. Study of a text book. Application of the principles of description, narration, exposition, and argumentation. Assigned readings, reports, discussions, classroom analyses and criticism. A general outline course in the fundamentals of rhetoric.

Required of freshmen, 2 hours, through the year.

2. NARRATION. An advanced course in the rhetoric of emotion. A study of the principles of description and narration and their application in daily or weekly themes. Assigned readings in narrative master pieces, especially in the short-story, reports, discussions, classroom criticism.

Open to sophomores and juniors. Given in alternate years. Will be offered in 1907-8. 2 hours, through the year.

3. ARGUMENTATION. An advanced course in the rhetoric of thought. A study of the principles of exposition and argumentation, of conviction and persuasion. Text books, assigned readings in master pieces, reports, discussions, criticism. Constant practice in preparation of notes, outlines, briefs, and themes. The aim is to cultivate clear thinking and effective expression.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered in 1908-9. 2 hours, through the year.

4. POETICS. A study of the nature, origin and development of English verse forms, assigned readings, reports, discussions, lectures, weekly practice in the writing of original or imitative verse. The course is both a study of the literature in English verse and a practice in its production.

Open to juniors and seniors. Given in alternate years. Will be given in 1908-9. 2 hours, through the year.

NOTE.—If the students so desire, Rhetoric 3 or Rhetoric 4 may be given in place of Rhetoric 2 in 1907-8.

5. **DRAMATICS.** A study of the principles which underlie dramatic composition. Criticism and analysis of representative dramas. Lectures, assigned readings, reports, discussion. Practice in the writing of original dramas.

Prerequisites—4 hours in rhetoric, English 2, English 7 and English 8. The instructor reserves the right to limit the numbers in the course.

Open to seniors. 2 hours, first semester.

ENGLISH LANGUAGE AND LITERATURE

MR. PUTMAN AND ASSISTANTS.

1. **MASTERPIECES.** A study of the lives and productions of the great masters in English Literature. The aim is to increase the information and cultivate the appreciation of the general student. Assigned readings, reports, and discussions.

Required of freshmen. 2 hours, first semester.

2. **SHAKESPEARE.** A study of the language, poetry, and characters in four plays of Shakespeare. Merchant of Venice, Twelfth Night, King Lear and Winter's Tale will be studied in 1907-8. The primary aim is to compel intimate knowledge of the idiom, poetry, and character method of a limited number of plays. The course can be elected in successive years.

Open to freshmen and sophomores. 3 hours, second semester.

3. **ANGLO-SAXON.** An elementary course in Anglo-Saxon. Bright's Anglo-Saxon reader. Translation of representative prose and poetry. Study of the Anglo-Saxon grammar. Students intending to specialize in English Literature are urged to take it.

Open to freshmen and sophomores. 2 hours, second semester.

4. **LINGUISTICS.** A study of the grammar, idiom, and vocabulary of middle English at representative periods. Read-

ings from Chaucer, Spencer, and Milton. Incidentally the course aims to extend the knowledge and enjoyment of the literature of these masters. English 2, 3 and 4 are intended to prepare the student for intelligent reading of English Literature from 1200 to the present time.

Required of sophomores. 2 hours, through the year.

5. BALLAD LITERATURE. A study of the folk ballad in England, its origin, development, and influence. Lectures, assigned readings, reports, discussions. Frequent use of the Carnegie reference library will be required.

Open to sophomores and juniors. Given in alternate years. Will be given in 1908-9. 3 hours, first semester.

6. OUTLINES OF ENGLISH LITERATURE. A study of the development of English Literature from Beowulf to Tennyson, together with the forces and types that have dominated it. Assigned readings, reports, discussions, lectures.

Required of juniors. 2 hours, through the year.

7. SHAKESPEARE. A study of the growth of the mind, art, and philosophy of Shakespeare as represented in fifteen typical plays. Collateral reading on The Life of Shakespeare, theories of the sonnets, Baconian hypothesis, and other allied topics, lectures, reports, discussions.

Students taking English 7 are urged to take English 2 as a preparation.

Open to sophomores, juniors and seniors. Given in alternate years. Will be given in 1907-8. 3 hours, first semester.

8. ENGLISH DRAMA. The origin and development of the English drama to the closing of the theaters in 1642. A study of representative masterpieces of the great playwrights. Lectures, reports, theses. Pre-requisites English 2 and English 7.

Open to juniors and seniors. Given in alternate years. Will be given in 1907-8. 3 hours second semester.

9. **ESSAY.** A study of its types and characteristics. Extended reading in the essays of the great essayists including Bacon, Addison and Steele, Macauley, Carlyle, Lamb, Hazlitt, Emerson, Lowell, De Quincy, Arnold and Stevenson. Reports, discussions, lectures.

Open to juniors and seniors. Given in alternate years. Will be given in 1908-9. 3 hours, first semester.

10. **THE NOVEL.** A study of the development of the English novel, its types and significance. Extended reading in the novels of the nineteenth century. Reports, discussions, lectures. The student will be held responsible for at least fifteen novels in addition to collateral reading. Theses may be required.

Open to juniors and seniors. Given in alternate years. Will be given in 1908-9. 3 hours, second semester.

11. **AMERICAN LITERATURE.** A seminar in the development of American Literature from 1607 to 1900. Topics will be assigned, reports and theses required, wide reading insisted upon, and the class left to the conduct of its members in turn. It is designed for those who have specialized in English and who expect to teach it or to pursue graduate study. The numbers will be limited.

Open to juniors and seniors. Given in alternate years. Will be given in 1907-8. 3 hours, second semester.

12. **LITERARY CRITICISM.** A seminar in the history of criticism, its literature, and in the interpretation of good literature. The aim is to acquaint the student with the elements which compose good literature and with the sources of suggestion in criticizing. Topics, assigned readings, reports, theses. Students will be required to conduct the recitations. Prerequisite English 2. Intended for students who expect to

teach or to pursue graduate study and who have specialized in English. The course is limited in numbers.

Open to juniors and seniors. Given in alternate years. Will be given in 1907-8. 3 hours, second semester.

13. NINETEENTH CENTURY LITERATURE. A seminar in the literature of England since 1800. The essay, the novel, the drama, and poetry are treated in outline. Readings, reports, discussions lectures.

Open to juniors and seniors. Given in alternate years. Will be given in 1908-9. 3 hours, first semester.

14. NINETEENTH CENTURY POETRY. A seminar in the poetry of England from 1798. A minute study of Wordsworth, Tennyson and Browning, together with lectures and discussions of the other poets of the century. Readings, reports, theses.

Open to juniors and seniors. Given in alternate years. Will be given in 1908-9. 3 hours, second semester.

15. ANGLO SAXON. An advanced course for students specializing in English or German. A careful study of the grammar and diction of Old English. Reading of Beowulf entire and poems from Cædmon and Cynewulf. Pre-requisite English 3.

Open to juniors and seniors. Given in alternate years. Will be given in 1908-9. 2 hours, through the year.

Courses 1 to 10 are open to special students if their preparation is sufficient to warrant the instructor in admitting them.

Courses 7 to 15 are open to graduate students specializing in English but an exceptional standard of work in quantity and quality will be expected of them.

The head of the department will oversee any additional research work which graduate students or undergraduates specializing in English may desire to pursue.

BIBLICAL LITERATURE

MISS BROWNSON.

1. HISTORICAL STUDY OF THE LIFE OF CHRIST.

Required of freshmen. 1 hour, through the year.

2. THE APOSTOLIC AGE. The organization of the Christian Church and the development of its life and literature during the first century.

Required of sophomores. 1 hour, through the year.

3. OLD TESTAMENT HISTORY. Studies in the development of the Hebrew people, the growth of political institutions, the influence of other nations, the religious life, the literature.

Required of juniors. 1 hour, through the year.

4. OLD TESTAMENT PROPHECY. A study of the development and characteristics of prophecy, the place of the prophets in the life of Israel, the relation of prophecy to history, Messianic prophecy.

Required of seniors. 1 hour, through the year.

5. HEBREW POETRY. A study of the poetry of the English Old Testament, especially the Psalms, the Proverbs.

Elective, open to juniors and seniors. 2 hours, first semester.

6. HISTORICAL GEOGRAPHY OF PALESTINE. The land in its physical aspects, the place of Syria in history, the interpretation of the Bible by geographical study, detailed survey of the country.

Elective, open to juniors and seniors. 2 hours, one semester.

7. BIBLICAL ARCHAEOLOGY. Studies of the results of modern exploration in Biblical lands.

Elective, open to juniors and seniors. 2 hours, one semester.

MATHEMATICS

MR. WHEELER.

1. SOLID GEOMETRY. Four books with original exercises.

Required of freshmen, 2 hours, first semester.

2. ADVANCED ALGEBRA.

Required of freshmen, 1 hour, through the year.

3. PLANE TRIGONOMETRY.

Required of freshmen, 2 hours, second semester.

4. MATHEMATICAL WORK. Supplementary to that of first semester.

Elective, open to freshmen, 1 hour, second semester.

5. HISTORY OF MATHEMATICS. This course is offered in the belief that it is essential for a thorough understanding of elementary mathematics.

Elective, open to sophomores, juniors and seniors. 2 hours, first semester.

6. SPHERICAL TRIGONOMETRY.

Elective, open to sophomores, juniors and seniors. 2 hours, second semester.

7. ANALYTIC GEOMETRY.

Elective, open to juniors and seniors. 3 hours, first semester.

8. DIFFERENTIAL AND INTEGRAL CALCULUS.

Elective, open to juniors and seniors. 3 hours, second semester.

ASTRONOMY

MR. WHEELER.

I. DESCRIPTIVE ASTRONOMY. Elementary facts and principles with mathematical exercises. Location of principal constellations with field and laboratory work.

Through the courtesy of the Director of the Allegheny Observatory opportunities are given to use the thirteen-inch telescope in observing the sun, moon, stars and nebulae.

Elective, open to juniors and seniors. 2 hours, through the year.

PHYSICS

MISS MONTGOMERY.

I. ELEMENTARY PHYSICS. The class work will consist of lectures on the subjects of mechanics, sound, light, heat, electricity and magnetism. As far as possible these are illustrated by lecture table experiments. Carhart's *University Physics* will form the basis of the lecture work.

In the laboratory the students are first instructed in the methods of accurate measurement and in the laws governing the equilibrium and motion of bodies. Later they make determinations of electrical quantities, and problems in heat, sound and light are studied.

Elective, 3 hours, through the year.

CHEMISTRY

MISS MONTGOMERY.

I. GENERAL INORGANIC CHEMISTRY. This course does not presuppose a knowledge of Chemistry. It consists of lectures and recitations on the history, occurrence, preparation and properties of the more important non-metallic and metallic elements. Classroom work is supplemented by work in laboratory, where each student prepares and transforms the chief

substances studied. The text-books used are Remsen's *College Text-book of Chemistry* and Keiser's *Laboratory Manual*.

3 hours, through the year.

Laboratory work 4 hours weekly.

NOTE.—This Course (or Course 1 in Biology) required of sophomores.

2. QUALITATIVE ANALYSIS. This course consists of lectures, reviews and laboratory work in Qualitative Analysis. Ample practice in identifying unknown substances is given to each student. The text-book used is A. A. Noyes' *Qualitative Analysis*.

Elective, open to students who have completed Course 1. 3 hours, first semester. Laboratory work, 2 hours weekly.

3. QUANTITATIVE ANALYSIS. Lectures and Laboratory work in gravimetric and volumetric methods.

Elective, open to students who have completed Course 1. 2 hours, first semester. Laboratory work, 2 hours weekly.

4. ORGANIC CHEMISTRY. Typical organic compounds, their relations and transformations are studied. In the classroom the work is pursued by lectures and reviews. In laboratory, the more simple organic compounds are first studied and the synthesis of more complex substances from these is then taken up. In every preparation attention is given to quantitative results. The text-books followed are Remsen's *Organic Chemistry* and Gatterman's *Practical Methods of Organic Chemistry*.

Elective, open to students who have completed Course 1. 4 hours, second semester. Laboratory work, 5 hours weekly.

5. LECTURES ON THEORETICAL CHEMISTRY. In this course a systematic study is given to the Atomic, Kinetic and Electrolytic Theories of the constitution of matter.

Elective, open to students who have completed Courses 1 and 4. 1 hour, through the year.

6. ADVANCED ORGANIC CHEMISTRY. In this course two hours a week are devoted to lectures on Methods in Organic Chemistry. Each student is assigned a problem in laboratory, which she solves according to methods used in original research. An organic compound whose composition is unknown is examined and its empirical and structural formulæ are determined. This determination involves the application of the most important laboratory methods used in organic research, such as combustions, molecular weight determination, etc. It is carried on independently by the student. After the correct solution of this problem, opportunity is offered the student of starting a problem in original work. The course is especially qualified to fit students for independent research, and has that end in view. It is offered as first year graduate work.

BIOLOGY

MISS MONTGOMERY.

I. SYSTEMATIC INVERTEBRATE ZOOLOGY.

a. This course consists of a comparative study of the amœba and other protozoa of typical members of the following sub-kingdoms: Cœlenterata, Platyhelminthes, Nemathelminthes, Trochelminthes, Echinodermata, Annulata, Anthropoda.

b. Vertebrate Zoology and Embryology.—Lectures are given on the skeleton, muscles, digestive, respiratory, nervous, and urogenital systems of the frog, fish, pigeon and rabbit. This is followed by a brief study of the embryology of the frog and chick.

c. Eight weeks of Botany, including a study of the structure and physiology of typical plants; and a systematic study of the great groups: Thallophytes, Bryophytes, Pteridophytes, Spermatophytes.

*This course or Course 1 in Chemistry required of sophomores.
3 hours, through the year.*

2. COMPARATIVE ANATOMY OF VERTEBRATES. Study of the anatomy and physiology of a typical mammal. Laboratory experiments to give practice in histology in addition to experiments regarding composition of foods, digestion, physiology of nerves and muscles, mechanism of circulation.

Elective, open to those who have completed Course 1. 2 hours, first semester.

3. STRUCTURE OF CELL AND PROTOPLASM. Study of numerous protozoa; structure of cell; developmental phenomena; cell division; spermata genesis; oogenesis.

Elective, 2 hours, second semester.

ART DEPARTMENT

The purpose of this department is to present the subject of the Fine Arts as a part of Liberal Culture. In order to this purpose much attention is given to the History of Art. The great masterpieces of painting, sculpture and architecture are made familiar to the student by photographs and stereopticon slides. Something of the life and times of the great artists is noticed, and the different schools of art distinguished. For fuller details of this work see page 37.

In addition to this work in History of Art, provision is made for thorough instruction in the arts of Drawing and Painting in oil and water color. The studios are large and well lighted and well equipped with casts, still life objects, draperies and everything necessary for the very best instruction in these branches of art. The life class is provided with suitable models who pose for the class two days each week.

MUSIC

The Music School connected with the College is now in process of reorganization and enlargement. More complete information regarding the work of the department will be

supplied to interested persons in the immediate future. Both practical and theoretical instruction will be given, Piano, Organ, Violin and Voice lessons arranged for, and courses in Harmony and the History of Music offered.

Sixteen pianos are available for practice, and the possession of a fine, three manual organ makes it possible to offer students unusual opportunities in the way of practical training.

RELIGIOUS AND SOCIAL LIFE

The College is thoroughly Christian in spirit and influence, but entirely unsectarian in its management and instruction. Students are expected to be present at daily prayers in the Chapel, and resident students to be regular attendants at church on Sunday mornings and at the Sunday Vesper services in Berry Hall. The Young Women's Christian Association maintains a midweek prayer meeting and a mission study class; and it contributes to mission work at home and abroad. Systematic Bible study is one of the College requirements, and four hours of such work are prescribed along the lines of literature and history. The social life of the College is under the charge of the Dean. She makes arrangements for the comfort and wellbeing of resident students, and the plans of all the classes for social occasions are brought to her for approval. General receptions for the students and their friends are held at Midyear, and in connection with the Commencement exercises. Smaller gatherings of Faculty and students occur at intervals throughout the year. The traditional College celebrations are those of Halloween, Christmas, Saint Valentine's Day, and May Day, participated in by the student body. The separate classes take the initiative in more informal entertaining at suitable times. The Young Women's Christian Association gives a reception to new students at the beginning of the year, and conducts a Bazaar in December for the benefit of its mission work in Japan.

SCHOLARSHIPS AND PRIZES

Two scholarships are open to students of ability who expect to pursue regular courses of study, but who need financial aid in meeting the necessary expenses of a college education.

1. THE HELEN E. PELLETREAU SCHOLARSHIP. A fund has been raised by the Alumnæ to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved President of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Mrs. W. S. Miller, 4741 Bayard Street, Pittsburgh.

2. THE MARY HAWES NEVIN SCHOLARSHIP. To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family have given the sum of \$6,000.00 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious of the advantage of a college course.

The Helen E. Pelletreau Scholarship is awarded by the Scholarship Committee of the Alumnæ Association; the Mary Hawes Nevin Scholarship, by Mrs. E. H. Nevin. These scholarships are held for one year, but may be renewed upon application. It is expected that the holders of these scholarships shall maintain a high standing in college work, and that they shall render some slight assistance in supply room or office, if such help is needed by the administrative force.

The Annie Dickson Kearns Medal is a prize founded by Mrs. W. L. Coyle in memory of her sister, Miss Annie Dickson Kearns. It is a gold medal awarded annually to the member of the Senior class who shall have attained the highest average standing for the Junior and Senior years of the College course.

STUDENTS CLUBS AND ASSOCIATIONS

The Omega Society has a membership chosen with respect to scholarship and literary ability. Its work is the promotion of an interest in literature, and the providing of opportunities for practice in the art of expression. The Society holds occasional open meetings for the presentation of special programs.

The Young Women's Christian Association holds weekly prayer meetings and monthly missionary meetings. It has an organized Mission Study class. The Association maintains a scholarship in a missionary school in Tokio, Japan, and it is responsible for the equipment of a room in the Young Women's Christian Association Building in Pittsburgh. Delegates are sent to the Annual Conventions at Silver Bay, and an active part taken in all work looking toward the strengthening of the religious forces of the institution.

The Athletic Association is a wide awake organization which affords the students of the College a opportunity to play basket ball, tennis and all out door games. It is the aim of the Association to foster the growth of College Spirit, and also to help with the running expenses of the tennis court and basket ball teams. Through the efforts of the members some very valuable apparatus has been purchased for the gymnasium.

The Glee Club and the Dramatic Association are new organizations, so recently formed as to be still in process of making history for future record. They are, however, high in their aims and earnest in their purposes, and already promise to become substantial aids in broadening both the social and the intellectual sides of college life.

CORRESPONDENCE

Business inquiries and letters concerning the entrance of students should be addressed to Pennsylvania College for Women, Pittsburgh, Pa. Personal letters or particular communications of parents in regard to their daughters should be sent to the President, Rev. Henry D. Lindsay, D. D., or to the Dean, Miss Cora Helen Coolidge.

TEACHERS' REGISTRY

The College is deeply interested in the welfare of its Alumnæ, and is willing to co-operate actively with those who desire to secure teaching positions. A registry will be kept for the purpose, and eligible candidates will be recommended to schools desiring to fill vacancies in their faculty lists.

DEGREES CONFERRED IN 1906

MASTER OF ARTS.

Rebekah Eggers, (A. M., Penna. College for Women, 1904;
Graduate Student, University of Leipsic, 1905-1906.)—
German Literature.
Thesis: Das Gretchenbild in Goethes Faust.

BACHELOR OF ARTS.

Edith Gray,	Pittsburgh.
Verna Maud Madtes,	Monessen.
Willa Mayes McNitt,	Patterson.
Anna Galbraith Willson,	Allegheny.

STUDENTS.

GRADUATE STUDENT

Willa Mayes McNitt,	Patterson.
Chemistry.	

SENIORS.

Mary Edith Allison,	Wilkinsburg.
Bessie Dupuy Johnson,	Pittsburgh.
Ellen Blanche McKee,	Wilkinsburg.
Mary Clarissa McKee,	Wilkinsburg.
Clara Luella Niebaum,	Pittsburgh.
Madge Wallace Sproull,	Pittsburgh.
Anna Grace Stevenson,	Coraopolis.

JUNIORS.

Lilla A. Greene,	Hoosick Falls, N. Y.
Laura Myrtle Grow,	Highland, Cal.
Virginia Gilmour Marshall,	Wilkinsburg.
Mary Bell Mellon,	Wilkinsburg.

SOPHOMORES.

Isabelle McElvey Barbour,	Pittsburgh.
Irma Haynie Beard,	Wilkinsburg.
Eva Marie Cohen,	Pittsburgh.
Mary Emma Coulter,	Cannonsburg.
Carla Dorothea Jarecki,	Sandusky, O.
May Marshall,	Allegheny,

FRESHMEN.

Louise Foster,	Carnegie.
Grace Woods Gill,	Allegheny.
Mary Alice Kramer,	Allegheny.
Sally Rodes McEwan,	Pittsburgh.
Frances Folsom Neel,	Dravosburg.
Ethel Belle Tassey,	McKeesport.

SPECIAL STUDENTS.

Clara E. Andrews,
Jane June Beyer,
Elsie Grey Day,
Helen Blanche Dulaney,
Edith Hopkins
Ethel Louise Jones,
Anna Marie Kiefer,
Margaret Porter Lowry,
Elma Lenore McKibben,
Frances Rothschild,
Sara Louise Sanford,
Nelle B. VanWagener.

Coraopolis.
Punxutawney.
Munhall.
McKeesport.
Tionesta.
Johnstown.
Pittsburgh.
Wilkinsburg.
Pittsburgh.
Pittsburgh.
Avalon.
London, O.

STUDENTS IN MUSIC.

Katharine Anderson,
Hughanna Burgan,
Florence Bickel,
Virginia Caldwell,
Freda Davis,
Hazel Darragh,
Alma Demmler,
Leona Douglass,
Marguerite Evans,
Winona Evans,
Julia Friedman,
Ina Few,
Lydia Goodwin,
Annetta Gow,
Agnes Hodgens,
Edith Hopkins,
Juanita Husband,
Bessie Dupuy Johnson,

Allegheny.
Carnegie.
Pittsburgh.
Pittsburgh.
Pittsburgh.
Pittsburgh.
Pittsburgh.
Oakdale.
Pittsburgh.
Pittsburgh.
Allegheny.
Kansas City.
Pittsburgh.
Carnegie.
Pittsburgh.
Tionesta.
Mt. Pleasant.
Pittsburgh.

Katharine Joynes,	Nassawadox, Va.
Helen Hall Kerr,	Pittsburgh.
Marion Knight,	Pittsburgh.
Helen Kirkwood,	Pittsburgh.
Helen McDonald,	Pittsburgh.
Cora Muehlbronner,	Allegheny.
Frances Neel,	Dravosburg.
Agnes Patterson,	Pittsburgh.
Edna Phillips,	Pittsburgh.
Wanda Power,	Pittsburgh.
Mabel Pritchard,	Knoxville.
Harriett Rattigan,	Pittsburgh.
Mrs. Wm. Richardson,	Pittsburgh.
Jane Roenigk,	Pittsburgh.
Jeannette Roenigk,	Pittsburgh.
Ida Scott,	Pittsburgh.
Nella VanWagener,	London, O.
Edna Walters,	Pittsburgh.
Nellie Webb,	Hopedale, O.
Miriam Webster,	Pittsburgh.
Carrie Zoller,	Pittsburgh.

STUDENTS IN ART.

Edith Aarons,	Pittsburgh.
Winona Evans,	Pittsburgh.
Freda Jenewein,	Pittsburgh.
Mary Klingensmith,	Pittsburgh.
Barbara Lucius,	Bellevue.
Millie Mollman,	Pittsburgh.
Wanda Power,	Pittsburgh.
Mabel Pritchard,	Pittsburgh.
Harriett Rattigan,	Pittsburgh.
Jane Roenigk,	Pittsburgh.

ALUMNAE ASSOCIATION.

The Association has its headquarters at the College, and holds its annual meeting in the Chapel on the Friday preceding Commencement Day. It publishes annually *The Alumnae Recorder*, containing a list of graduates, corrected by the latest information obtainable, and many items of interest concerning Alumnae and former students.

The officers of the Association for the year 1906-1907 are: President, Mrs. John M. Pardee; Vice President, Mrs. Thomas Hannah; Recording Secretary, Miss Anne Houston; Treasurer, Miss Elizabeth McCague. Editors of *Alumnae Recorder*: Mrs. Maurice Trimble, Miss Alice Davidson, Miss Hilda Sadler, Miss Harriet Kerr, Miss Anna Willson.

FEES.

	PER YEAR.
Tuition.	\$125.00
Room rent, including light and heat.	100.00
Table board.	175.00
	PER SEMESTER.
Piano, two half-hour lessons per week, charge according to instructor	\$50.00; \$ 75.00
One half-hour lesson per week	30.00; 50.00
Voice, two half-hour lessons per week	50.00
One half-hour lesson per week	30.00
Use of piano, three periods daily	10.00
Organ, one hour lesson each week	75.00
Use of organ, one period daily.	15.00
Violin or Guitar, Professor's prices.	
Art, Advanced Course.	30.00
Beginners' Course.	20.00

A pro rata charge is made for model in life class.

Physical Training—

Private lessons, twice a week	50.00
In classes of four, twice a week.	25.00

Laboratory—

Biology, or Chemistry.	15.00
Physics	5.00

Tutoring, per hour	1.00
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Private Examination.	2.00*
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Diploma—

Bachelor of Arts'	5.00
Master of Arts'.	10.00

Laundry, plain pieces, per dozen50
--	-----

Luncheon, for day students30
--------------------------------------	-----

Boarding during vacation, per week.	7.00
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REGULATIONS FOR PAYMENT.

Tuition will be remitted to resident students who are daughters of ministers. A reduction of \$25.00 will be made to day students who are daughters of ministers or of teachers.

All bills for boarding, tuition and extras are due, one half at the beginning of the college year and the remainder on February first. Checks should be made payable to Pennsylvania College for Women, Pittsburgh, Penna.

It is understood that all arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

As engagements with instructors and other provisions for the education of students are made by the College for the entire year in advance, *no deduction can be made in the charge for tuition for either resident or day students.*

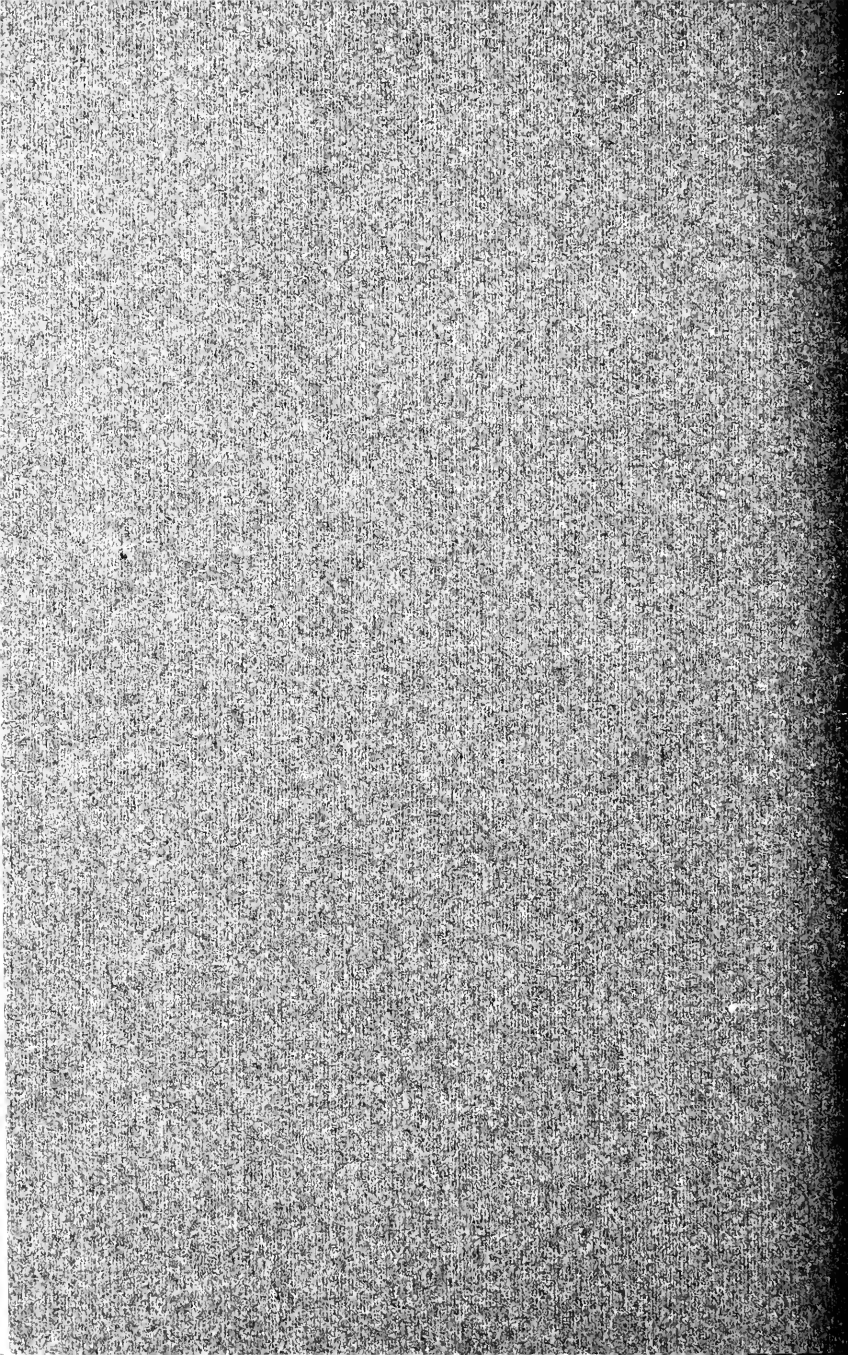
No degrees will be conferred unless all bills due to the College by the candidate have been paid.

APPLICATION FOR ROOMS.

All applications will be registered and rooms not engaged by former students will be assigned according to the date of application. The bedrooms are generally arranged for two students, and are comfortably furnished. Single rooms require an additional fee. There are no undesirable bedrooms in the College buildings. Any information concerning the rooms will be given upon application to the Secretary.

Resident students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for resident students from *the date at which they had engaged to enter their daughter or ward until the close of the year in June*, and *no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness, when the loss for board and room will be equally shared.*

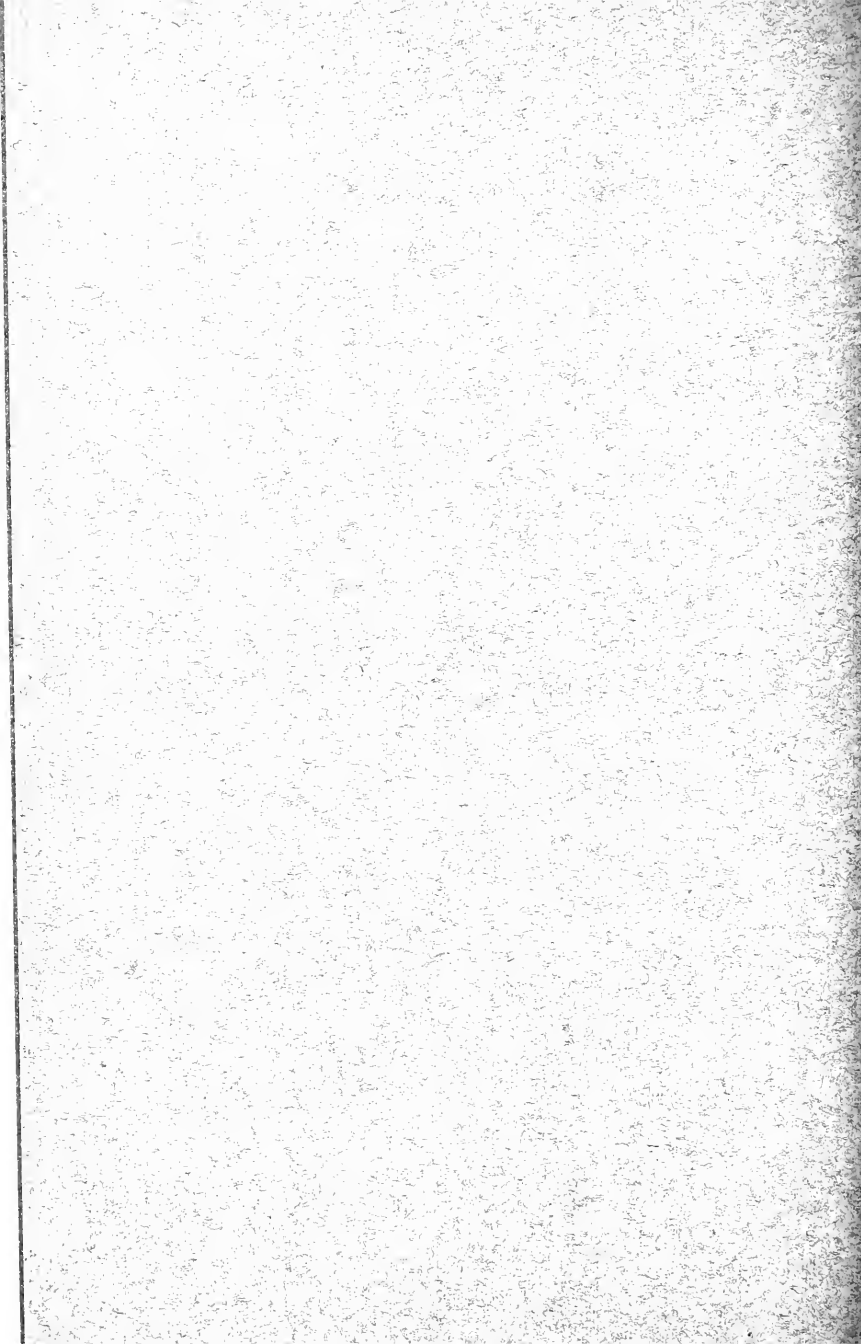
All unnecessary wear of carpets, furniture, etc., is charged to the students occupying the room.



1907-1908

Pennsylvania College for Women

Pittsburgh



1907-1908

Pennsylvania College for Women

Pittsburgh

1907

September							October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	...	...	1	2	3	4	5	...	...	...	...	...	1	2	1	2	3	4	5	6	7
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
29	30	...	...	...	...	...	27	28	29	30	31	...	...	24	25	26	27	28	29	30	29	30	31	...	...	...	...
...

1908

January							February							March							April						
...	...	...	1	2	3	4	...	...	...	...	...	...	1	1	2	3	4	5	6	7	...	...	...	1	2	3	4
5	6	7	8	9	10	11	2	3	4	5	6	7	8	8	9	10	11	12	13	14	5	6	7	8	9	10	11
12	13	14	15	16	17	18	9	10	11	12	13	14	15	15	16	17	18	19	20	21	12	13	14	15	16	17	18
19	20	21	22	23	24	25	16	17	18	19	20	21	22	22	23	24	25	26	27	28	19	20	21	22	23	24	25
26	27	28	29	30	31	...	23	24	25	26	27	28	29	29	30	31	...	...	...	...	26	27	28	29	30	...	...
...

May							June							July							August						
...	...	...	...	1	2	...	...	1	2	3	4	5	6	...	...	...	1	2	3	4	...	...	...	...	...	...	1
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
24	25	26	27	28	29	30	28	29	30	...	...	...	...	26	27	28	29	30	31	...	23	24	25	26	27	28	29
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30	31	...	...	...	...	...

September							October							November							December						
...	...	1	2	3	4	5	...	...	...	...	1	2	3	1	2	3	4	5	6	7	...	...	1	2	3	4	5
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
27	28	29	30	...	...	...	25	26	27	28	29	30	31	29	30	...	...	...	...	...	27	28	29	30	31	...	...
...

1909

January							February							March							April						
...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	1	2	3	4	5	6	...	...	...	...	1	2	3
3	4	5	6	7	8	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13	4	5	6	7	8	9	10
10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20	11	12	13	14	15	16	17
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27	18	19	20	21	22	23	24
24	25	26	27	28	29	30	28	...	...	...	...	...	...	28	29	30	31	...	...	...	25	26	27	28	29	30	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

May							June							July							August						
...	...	...	...	...	...	1	...	...	...	...	1	2	3	...	...	...	...	1	2	3	1	2	3	4	5	6	7
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
23	24	25	26	27	28	29	27	28	29	30	...	...	...	25	26	27	28	29	30	31	...	...	...	...	...	...	...
30	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...



CALENDAR

1907

- 17 September, Tuesday Entrance Examinations
- 17 September, Tuesday . . . First Semester begins—enrollment
- 18 September, Wednesday Recitations begin
- 28 November, Thursday Thanksgiving Day
- 20 December, Friday Christmas Vacation begins

1908

- 6 January, Monday, 6 P.M. College opens
- 27 January, Monday Mid-year Examinations begin
- 3 February, Monday Second Semester begins
- 6 February, Thursday Day of Prayer for Colleges
- 27 March, Friday Spring Vacation begins
- 6 April, Monday, 6 P.M. College opens
- 16 May, Saturday May Day Fete
- 1 June, Monday Final Examinations begin
- 5 June, Friday, 3 P.M. Alumnae Meeting
- 5 June, Friday, 8 P.M. Annual Concert
- 6 June, Saturday, 3 P.M. Class Day
- 7 June, Sunday, 11 A.M. Baccalaureate Sermon
Third Presbyterian Church.
- 8 June, Monday, 8 P.M. President's Reception
- 9 June, Tuesday, 8 P.M. Commencement
Carnegie Music Hall.

- 15 September, Tuesday Entrance Examinations
- 15 September, Tuesday . . . First Semester begins—enrollment
- 16 September, Wednesday Recitations begin
- 26 November, Thursday Thanksgiving Day
- 18 December, Friday Christmas Vacation begins

1909

- 4 January, Monday, 6 P.M. College opens
- 25 January, Monday Mid-year Examinations begin
- 1 February, Monday Second Semester begins
- 2 April, Friday Spring Vacation begins
- 12 April, Monday, 6 P. M. College opens
- 15 May, Saturday May Day Fete
- 8 June, Tuesday, 8 P.M. Commencement
Carnegie Music Hall.

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JOHN B. FINLEY	JAMES C. GRAY
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Term Expires in 1910

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MRS. JOHN I. NEVIN MRS. CHARLES H. SPENCER
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German Language and Literature.

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French Language and Literature.

ELIZABETH B. ARMSTRONG, A.B. (*Penn'a College for Women*),
Mediaeval and English History.

LAURA CAROLINE GREEN, A.B. (*Wellesley*),
Latin Language and Literature; Greek Language and Literature.

AMELIA MONTGOMERY, A.M. (*Bryn Mawr*),
Chemistry and Biology.

GEORGE W. PUTNAM, A.M. (*Harvard*),
English Language and Literature.

CARLON E. WHEELER, A.B. (*Bates*),
Mathematics.

IRVIN J. MORGAN, MUS. BAC. (*University of Pennsylvania*),
Director of Music School—Piano, Organ and Theory.

INA FEW,
Voice.

CLARA C. DRAIS,
Assistant in Piano.

FRANZ KOHLER,
Violin.

OTTO KEGEL,
Wind Instruments.

ALBERT D. LIEFELD,
Mandolin and Guitar.

FRANCES McCREERY,
Art and Art History.

VANDA E. KERST,
Expression.

MARION K. KNAPP,
Physical Training.

EMMA MELLOU CAMPBELL, A.M. (*Westminster*),
Librarian.

SIDNEY COLESTOCK,
Secretary to the President.

MRS. SARAH L. DRAIS,
House Mistress.

HISTORICAL STATEMENT



PENNSYLVANIA COLLEGE FOR WOMEN

was founded to supply the need in Western Pennsylvania of an institution of higher learning, organized and maintained under distinctively Christian influences. The East End of Pittsburgh was chosen as the location best suited for such a centre of liberal education, and a campus of about eleven acres was secured upon a hill crest in immediate proximity to Fifth Avenue, and between the rapidly growing residence districts of East Liberty and Shadyside. The fine, old family residence already standing upon the property was remodeled and enlarged to meet the requirements of the new School, and at a later time received the name Berry Hall in memory of its former owner. The founding of the College was made possible by the generous gifts and the active coöperation of many interested friends; and its charter, granted in December, 1869, authorized the conferring of degrees such as are "usually granted and conferred in other colleges of the United States of America," to students who should complete the offered courses of instruction in the liberal arts and sciences. The first class to be graduated comprised six students, who received their degrees in 1873.

Dilworth Hall, the second of the College buildings in order of erection, was named for Mr. Joseph Dilworth, the largest contributor toward its cost and a staunch friend and supporter of the institution. This structure was completed and dedicated in 1888. The Gymnasium was built in 1892, and connected with a new Music Hall in 1897.

ORGANIZATION AND AIMS

The entrance requirements of Pennsylvania College for Women are those of the eastern colleges. Its courses of study follow closely the lines of modern collegiate instruction. It is the aim of the College authorities, as it was the intention of its founders, to furnish to students from the populous region in which it stands such advantages and facilities as are enjoyed in the best institutions of learning, opportunities for liberal culture, and the maintenance of high ideals.

LOCATION

The College is situated in the East End of Pittsburgh, in the center of the choicest residence sections of the city. The campus is a finely shaded tract of land embracing a hill top on which the buildings stand. The plot owned by the College is part of one many times as large, containing the homes of a few families of wealth. The entrance to this tract is by a private road, so that the College is practically located in a large private park, thus securing abundance of space and air, wide view, and fine opportunities for outdoor games, combined with a delightful and wholesome seclusion not easy to command in a great city.

Not least among the benefits conferred upon the College by its position in the heart of Pittsburgh is its nearness to the Carnegie Institute. Here are found a splendid library, containing 245,000 volumes; a museum, rich in material for the study of zoology, paleontology and ethnography; an art gallery, which maintains a valuable permanent collection of paintings, and exhibits each year work of the best living artists in Europe and America; halls of architecture and sculpture, which make possible at home the acquirement of an intellectual training obtainable under ordinary circumstances only by means of extensive travel in foreign lands.

Any of the lines of electric cars running out Fifth Avenue from the downtown district will carry passengers very near the campus entrances on Murray Hill Avenue and Woodland Road; and cabs may be taken at the railway stations which will convey travelers to the College. Baggage

entering the city by the Pennsylvania lines should be checked to the East Liberty Station.

BUILDINGS

The buildings of the College are three in number, so connected as to be practically one, no exposure to the weather being involved in passing from one to another. They are so disposed as to receive the sunshine on all sides in the course of the day; they are heated by steam and lighted with gas. Berry Hall is four stories in height, and contains the living rooms of the faculty and resident students; on its lower floors are found the library, drawing rooms, class rooms and the offices of the President and the Dean. Music Hall has a spacious Gymnasium on the first floor, and on the second, music studios and practice rooms. Dilworth Hall is devoted mainly to the uses of the Preparatory School, but affords also room for the Laboratories and Art Studios.

LIBRARY

The College Library, housed in Berry Hall, contains thirty-three hundred volumes. Students have access to its shelves from 8.15 A. M., to 9.30 P. M., daily. The collection is classified according to the Dewey system, and is provided with a card catalogue. A thorough reorganization has augmented the working value of the books already on the shelves, and a recent appropriation of funds has enlarged the departmental collections. Through the courtesy of the authorities of The Carnegie Library of Pittsburgh, a Loan Department for students has been established at the College, which permits the use upon an extensive scale of outside readings in connection with all branches of assigned work.

READING ROOM

Adjacent to the Library is the well lighted and attractive reading room, supplied with daily and weekly newspapers, the standard monthly magazines and some quarterly reviews.

American Journal of Arch-
aeology,
American Industries*,

American Magazine,
Association Monthly,
Boston Evening Transcript*,

Classical Philology,
Cosmopolitan,
Century Magazine,
Educational Review,
Die Glocke,
Harper's Bazaar,
The House Beautiful,
The International Studio,
The Ladies' Home Journal,
McClure's Magazine,
The Musician,
The Nation,
The Nineteenth Century,
The Outlook,
Popular Astronomy,
Revue des Deux Mondes,
The Saturday Evening Post,
Success,
Die Woche*,
American Review of Re-
views,
Atlantic Monthly,

Classical Journal,
Collier's Weekly,
Country Life,
Current Literature,
Forum,
Harper's Magazine,
Harper's Weekly,
The Independent,
The Index,
The Literary Digest,
Munsey's Magazine,
The Musical Courier,
The National Geographic
Magazine,
The North American Review,
The Pittsburgh Bulletin,
Popular Science Monthly,
St. Nicholas,
Scribner's Magazine,
The Woman's Home Com-
panion,
The Youth's Companion.

Six daily newspapers are taken, and eight religious papers are kindly donated by the publishers for the reading table.

*Donated by the publishers.

LABORATORIES

The Science Department is located on the third floor of Dilworth Hall, and is provided with a lecture room and with chemical and biological laboratories, supplied with all modern apparatus necessary for the pursuit of the courses offered. The chemical laboratory is equipped with accurate chemical balances, boiling and freezing point apparatus and other facilities for careful quantitative work. Connected with the chemical laboratory is a stock room situated in the basement of Dilworth Hall, from which duty free apparatus is lent to the student for use in the laboratory. This apparatus remains the property of the College and may be returned at any time; but if broken or used up the student is required to replace it. While no attempt is made to maintain a museum students have access to a very good collection of minerals specimens of the rarer elements and their compounds, and representatives of the less readily prepared organic substances. Collections of mounted skeletons illustrating the comparative osteology of typical vertebrates of preserved

and mounted zoological forms, and of charts and microscopical mounts supplement the laboratory equipment in Biology.

GYMNASIUM

The Gymnasium is a large, well-ventilated building, equipped with chest weights, rowing machines, balance swings and other apparatus. Dressing rooms and locker rooms adjoin the main hall.

The Department of Physical Training offers to students in the College opportunities for developing bodily strength and grace through systematic and vigorous exercise. Special attention is given to corrective exercises and to aesthetic dancing. The Swedish system of gymnastics is taught, and the lessons are so graded and adapted to the strength of the individual that they are healthful to the most delicate constitution. Two hours of work are required of Freshmen, unless excused upon presentation of written request of parent or guardian. Advanced courses are elective; but students are advised to continue the work for its resulting physical benefit, as well as for the enjoyment derived from it.

Each student undergoes physical examination by the Director upon entrance, and again at the end of the semester. The regulation costume is a suit of black serge with white vest.

REQUIREMENTS OF ADMISSION

Registration blanks are provided by the College for the use of applicants for admission, and will be forwarded upon request. These blanks, properly filled and signed, should be in the hands of the President by September 1st. A registration fee of five dollars will be charged. This will be credited on the first payment for tuition, or speedily refunded if notification of withdrawal is sent before August 15th.

All applicants for admission, whether to the freshman class, to advanced standing, or to partial courses, must pre-

sent satisfactory testimonials of good moral character. Those who come from other colleges must also bring certificates of honorable dismissal. Admission to the freshman class may be gained either by examination or by presentation of certificate from an approved high school or academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION

Applicants for admission may be examined either during the week preceding Commencement or on September 15th. Those who wish to be examined in June should notify the President before June 1st; those who wish to be examined in September, before September 12th.

ADMISSION ON CERTIFICATE

Students from such high schools and academies as may be approved by the Faculty are admitted to the freshman class without examination on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the President during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly the equivalents offered must be stated in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all the requirements. Students received on certificate are regarded as upon probation during the first semester, and those deficient in preparation may be dropped whenever the deficiency has been clearly demonstrated.

ADMISSION ON ADVANCED STANDING

Applicants for advanced standing who come from other colleges must present satisfactory college certificates for all

prescribed studies below the desired grade, and for enough of elective work to make up their full quota of hours. Students who do not come from other colleges, if they desire advanced credit must pass examinations in subjects offered as college work. Preparatory courses are not accepted as equivalent to collegiate work without examination. No student will be accepted to candidacy for the baccalaureate degree after the beginning of the senior year.

ADMISSION AS SPECIAL STUDENTS

Students who have not satisfied the matriculation requirements may be admitted to special courses for which they are adequately prepared; they must, however, satisfy the College authorities as to their preparation and ability to carry the desired work either by passing examination upon antecedent courses, or by presenting certificates. Special students must consult the Dean concerning courses of study, and their work will be arranged by her in consultation with the heads of departments. Such students are responsible for the completion of courses undertaken, and certificates will be given for work of this kind upon application. Credits for these courses cannot count toward a degree unless the student shall at some time subsequent to her entrance meet matriculation requirements and make up the necessary number of hours.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS

I. LANGUAGES (Other than English)

1. Latin. (These requirements are based upon the recommendations of the American Philological Association).

a. I. LATIN GRAMMAR. The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the sub-

junctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

2. LATIN COMPOSITION. Translation into Latin of detached sentences and easy continuous prose based upon Cæsar and Cicero.

b. CÆSAR. Any four books of the *Gallic War*, preferably the first four.

c. CICERO. Any seven orations from the following list, but preferably the first six mentioned, (Manilian Law being accepted as the equivalent of two orations); the four orations against Cataline, Archias, Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.

d. VERGIL. The first six books of the *Æneid*.

Pronunciation after the Roman method is preferred. Equivalents will be accepted, but verse will not be considered a substitute for prose, nor will anything be accepted for translation of English into Latin.

If physics be offered, a three years' course in one of the following languages, and if physics be not offered, an additional course of at least one year in a second is required.

2. French.

Minimum Requirement (third language).

a. Essentials of French grammar. Thorough knowledge of the four conjugations, irregular verbs, elementary use of syntax and word order.

b. The ability to translate at sight easy French into idiomatic English. This can be acquired by reading not less than two hundred pages of graduated texts, such as Halévy's *L'Abbé Constantin*, Lamartine's *Graziella*, Le Brête's *Mon oncle et mon curé*.

c. Ability to translate at sight easy English into correct French. This can be acquired by the study of any good grammar and composition books, such as François Composition, first and second books. Careful

drill in correct pronunciation, writing from dictation, memorizing selected prose and poetry.

At least one year, five recitations a week, should be spent on this requirement.

Maximum Requirement (second language).

- a. Thorough knowledge of grammar; word formation, syntax, word order. Thorough knowledge of irregular verbs.
- b. Ability to translate at sight ordinary modern and classical prose and poetry into good English. This may be acquired by reading in addition to the amount specified in the minimum requirement, at least five hundred pages of advanced French, such as George Sand's *La Mare au diable*, Dumas' *La Tulipe noire*, Victor Hugo's *La Chute* and *Les Travailleurs de la mer*, Daudet's *Lettres de mon moulin*, Madame de Sévigné's *Lettres*.
- c. Ability to translate ordinary English into French. This may be obtained by constant oral and written exercises and the use of Chardenal's Advanced French Prose Composition.
- d. Ability to follow a recitation conducted in French, to answer questions asked in that language and give brief résumés in French of the contents of the texts read. Frequent practice in writing from dictation and memorizing of poems such as La Fontaine's *Fables* and select prose passages are recommended.

Three years, five recitations a week, should be spent on this requirement.

3. German.

Minimum Requirement (third language).

- a. Essentials of German grammar. This includes the declension of nouns, adjectives and pronouns, conjugation of verbs, the use of prepositions and conjunctions, elementary rules of syntax and word order.
- b. Ability to translate at sight easy German into correct English. This may be acquired by the reading of not

less than two hundred pages of graduated texts such as found in any good reader, or in such books as Grimm's *Märchen*, Heyse's *L'Arrabbiata*, Storm's *Immensee*, Von Hillern's *Höher als die Kirche*, Gerstäcker's *Germelshausen*, Seidel's *Leberecht Hühnchen*.

- c. Ability to translate at sight easy English sentences into German. This result may be obtained by the study of any good grammar, translation of paraphrases of the text and the use of an easy composition book, such as Bernhardt's *Prose Composition*. Careful drill in pronunciation, intelligent reading of the German text, writing from dictation, memorizing of selected passages, and the use of simple German phrases in the classroom are recommended.

At least one year, five recitations a week, should be spent on this requirement.

Maximum Requirement (second language).

- a. Thorough knowledge of Grammar, including accidence, word formation, syntax, word order, the uses of the modal auxiliaries, and of the subjunctive and infinitive moods.
- b. Ability to translate at sight ordinary modern and classical German prose or poetry into good English. This may be acquired by reading in addition to the amount specified in the minimum requirement, at least five hundred pages of advanced German. Graduated texts may be selected from such works as Jensen's *Die braune Erica*; Hauff's *Das Kalte Herz*; Baumbach's *Der Schwiegersohn*; Riehl's *Burg Niederdeck* and *Fluch der Schönheit*; Heine's *Die Harzreise*; supplemented by selected texts from the classical writers such as Schiller's *Wilhelm Tell*, *Jungfrau von Orleans* and *Balladen*; Goethe's *Hermann und Dorothea*, *Iphigenia*, and *Dichtung und Wahrheit*; Lessing's *Minna von Barnhelm*; Freytag's *Aus*

dem Staat Friedrichs des Grossen, and Doktor Luther.

- c. Ability to translate ordinary English into German. This result may be obtained by constant practice in oral and written reproductions, re-translation of paraphrases of texts and the use of a good text-book of German Composition such as Jagemann's or Harris' German Prose.
- d. Ability to follow a recitation conducted in German, to answer questions asked in that language and to give brief résumés in German of the contents of the texts read. Frequent practice in writing from dictation and the memorizing of selected passages are recommended.

Three years, five recitations a week, should be spent on this requirement.

4. Greek. (These requirements are based upon the recommendations of the American Philological Association).

- a. 1. GREEK GRAMMAR. The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.
- 2. GREEK PROSE COMPOSITION, consisting principally of detached sentences to test the candidate's knowledge of grammatical construction.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

- b. XENOPHON. The first four books of the *Anabasis*.
- c. HOMER. The first three books of the *Iliad* (omitting II, 494-end).

II. ENGLISH

The requirements in English are those recommended by the Conference on Uniform Entrance Requirements in English for Middle States and Maryland.

NOTE: No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

a. READING. A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. The candidate is expected to read intelligently all the books prescribed. She is not expected to know them minutely, but to have fresh in mind their most important parts. *In every case knowledge of the book will be regarded as less important than the ability to write good English.* In preparation for this part of the requirements, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:

In 1906, 1907 and 1908—Shakespeare's *Macbeth* and *The Merchant of Venice*; *The Sir Roger de Coverley Papers*; Irving's *Life of Goldsmith*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe* and *The Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine* and *The Passing of Arthur*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

In 1909, 1910, 1911—Group 1 (two to be selected): Shakespeare's *As You Like It*, *Henry V*, *Julius Caesar*, *Merchant of Venice*, *Twelfth Night*.

Group 2 (one to be selected): Bacon's *Essays*; Bunyan's *The Pilgrim's Progress*, Part I; Addison's *Sir Roger de Coverley*; Franklin's *Autobiography*.

Group 3 (one to be selected): Chaucer's *Prologue*; Spenser's *Faerie Queen* (selections); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's

Golden Treasury (First Series), Books II and III, with especial attention to Dryden, Collins, Cowper and Burns.

Group 4 (two to be selected): Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe* and *Quentin Durward*; Hawthorne's *House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dicken's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group 5 (two to be selected): Irving's *Sketch Book* (selections); Lamb's *Essays of Elia*; De Quincy's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies*.

Group 6 (two to be selected): Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), with especial attention to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Lancelot and Elaine*, *The Passing of Arthur*, *Gareth and Lynette*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Hervé Riel*, *Pheidippides*.

b. STUDY AND PRACTICE. This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this examination will be :

In 1906, 1907, 1908—Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison, Life of Johnson*; Milton's *L'Allegro, Il Penseroso, Comus and Lycidas*; Shakespeare's *Julius Caesar*.

Attention is called to the following recommendations of the Conference on Uniform Entrance Requirements in English.

1. That English be studied throughout the elementary and secondary school courses, and, when possible, for at least three periods a week during the four years of the high school course.

2. *That the prescribed books be regarded as a basis for such wider courses of English study as the schools may arrange for themselves.*

3. That where careful instruction in idiomatic English translation is not given, supplementary work to secure equivalent training in diction and in sentence structure be offered throughout the high school course.

4. *That a certain amount of outside reading, chiefly of poetry, fiction, biography and history, be encouraged throughout the entire school course.*

5. That definite instruction be given in the choice of words, in the structure of sentences and of paragraphs, and in the simple forms of narration, description, exposition and argument. Such instruction should begin early in the high school course.

6. That systematic training in speaking and writing English be given throughout the entire school course. That, in the high school, subjects for composition be taken partly from the prescribed books and partly from the student's own thought and experience.

7. That each of the books prescribed for study be taught with reference to :

a. The language, including the meaning of words and sentences, the important qualities of style, and the important allusions.

- b. The plan of the work, *i. e.*, its structure and method.
 - c. The place of the work in literary history, the circumstances of its production, and the life of its author.
8. That all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

III. MATHEMATICS

1. Algebra.

- a. The four fundamental operations for rational algebraic expressions. Factoring, determination of highest common factor and lowest common multiple by factoring. Fractions, including complex fractions, ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. Radicals, including the extraction of the square root of polynomials and of numbers. Exponents, including the fractional and negative. Quadratic equations, both numerical and literal. Simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations.
- b. Theory of Quadratics. Problems depending on quadratic equations. The binomial theorem for positive integral exponents. The formulas for the n th term and the sum of the terms of arithmetical and geometrical progressions, with applications.

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

2. Plane Geometry.

The usual theorems and constructions of good textbooks, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons

and the measurement of the circle. The solution of numerous, original exercises, including loci problems. Applications to the mensuration of lines and plane surfaces.

NOTE: The work in preparatory algebra should consist of an elementary course given the first year and a more advanced course given not earlier than the third year, after demonstrational geometry. This can be best accomplished by reviewing courses the equivalents of (1a) and (2) above, and by completing the equivalent of (1b) during the year preceding entrance to college.

IV. SCIENCE

Physics, Carhart and Chute, *Elements of Physical Science*, or equivalent. Laboratory work consisting of at least forty experiments taken from the manual must be shown by notebook certified by the instructor to be the original work of the student. As noted above, one year of a third language may be substituted for Physics.

V. HISTORY

1. **Ancient History** with special reference to Greek and Roman History, but including also a short introductory study of the Ancient East and extending to 800 A. D.

2. **English History** with due reference to social development and the growth of political institutions.

Students must present such supplementary evidence of the character of their preparation as notebooks, maps, and digests of collateral reading.

DEGREES

The degree of Bachelor of Arts is given to students who have satisfactorily completed courses amounting in all to fifty-six hours of college work.

The degree of Master of Arts is conferred upon Bachelors who hold the degree of Arts from this college or from some other college of equal standing, and who have satisfactorily completed one full year of graduate work under the direction of the Faculty. In exceptional cases the work may be done *in absentia* an examination of the candidate being

required as a test of fitness to receive the degree. A detailed statement of the conditions of graduate study may be found on pages 29-31.

REGULATION OF STUDIES

The unit of time used in measuring the value of work is the year hour, — that is, one full hour of class work weekly during a college year.

The minimum requirement for a degree is fifty-six hours; for each year of the college course the requirement is fourteen hours weekly. Two deviations from this rule are provided for in the scheme of work.

1. By special permission of the Faculty, the allotment for a year may be increased to sixteen hours for students capable of maintaining a uniformly high grade of scholarship, and anxious to prepare for advanced courses in a chosen department.

2. At the beginning of the Senior year, a student who has carried her earlier years of work with distinction may make application for a reduction of the number of required hours, in order that she may do intensive work in a department where she has already shown aptitude. With the consent of the Dean and the Head of the Department in which the special work is to be done, she may undertake a schedule of twelve hours.

The total requirement for the degree in Arts is made up as follows:

Latin	three hours
French	} six hours
or	
German	
or	
Greek	} seven hours
English	
Mathematics	
Science	
Philosophy	four hours
History	three hours
Biblical Literature	four hours
Elective work	twenty-three hours

Each hour of class work is supposed to require two hours of preparation.

ELECTIVE WORK

In the Freshman year, fourteen hours of work are required. In the first semester, fourteen hours are prescribed; in the second semester, twelve hours are prescribed and the election of two hours permitted. Students prepared to undertake sixteen hours of study under provision I on page 27 may elect courses of one, two, or three hours which are designated in the Descriptive Statement on pages 33-56 as open to Freshmen. In ordinary cases, two hours of work are to be elected in the Sophomore year, eight and one-half hours in the Junior year, eleven and one-half hours in the Senior year.

All elections are subject to the approval of the Faculty. Not more than six hours may be elected in a single department in any semester. The Faculty retains the option of forming a class in any elective course when fewer than six students apply for registration.

ATTENDANCE UPON CLASS EXERCISES

The grade of work done by a student is necessarily affected by irregularity of attendance upon lectures or recitations. Special examinations may be required if the number of avoidable absences for any semester shall exceed the limits of moderation.

Opportunities are occasionally offered for attendance upon lectures given in the city which are connected in subject with courses offered by the College. Upon notification by the instructor concerned, students will be expected to attend such lectures, and may have them counted as part of the required work of the courses to which they are allied.

EXAMINATIONS

General examinations are held in all subjects at Mid-year and at the close of the College year. Partial examinations may be given at the discretion of the instructor. Examinations taken for the removal of conditions, or for the securing of credit for private work are scheduled for the

opening days of a semester, but may be appointed for other times under special conditions.

Students failing to present themselves for examinations in course may secure private examinations by permission of the Dean and upon payment of a fee of two dollars. If several examinations are to be taken under one permit, a fee of three dollars shall cover the list.

CONDITIONS

A student whose work in any course is unsatisfactory will be conditioned in this subject at the end of the semester. This condition must be removed by the doing of an assigned amount of supplementary work within time-limits set by the instructor, and if considered necessary, under the direction of a tutor. If the condition is not removed at the expiration of the time-limit, the work of the course will be considered a failure. Failure in a required course must be made good by the repetition of the course at the time when it is next regularly given.

Entrance conditions are ordinarily to be made good within the first year of college attendance. No student can retain her entrance classification if she continues to carry conditions exceeding five year hours.

REPORTS

Reports of the scholarship of students are sent out at the end of a semester to any parents or guardians who may request such statements. A student may learn her standing in classes by making application to the Dean at the end of a semester.

GRADUATE WORK

The graduate work of the College is in the hands of a special committee of the Faculty, which receives applications for registration, and advises accepted students as to the proper courses to be undertaken. Graduates of the Pennsylvania College for Women, or of other institutions in which

the requirements for a baccalaureate degree are substantially equivalent, may, upon recommendation of the Committee of Graduate Study, enter upon work for the degree of Master of Arts.

Advanced courses appropriate for graduate study leading to the higher degree are described in the outlines of courses of various departments. Some courses are open to both graduate and undergraduate students; graduates pursuing these courses must maintain a standard of work sufficiently high to satisfy the Committee of Graduate Study in order to receive graduate credit.

The amount of work required of a candidate for the degree of Master of Arts is equivalent to fourteen hour courses pursued during a period of residence not shorter than one year. Candidates for this degree are required to pass examinations in one major and at least one minor subject, which have been determined upon not later than October 15th of the year in which the examinations will be taken. While the student is advised to choose one minor subject, she may, with the approval of her examining committee, select a second minor in the same department as the major. The major and one minor must be in separate departments in order that the heads of at least two departments in which she pursues courses shall conduct the examinations; but the subjects should be so related as to indicate a definite acquisition in scholarship on the part of the student. A thesis on the major subject, due not later than May 1st, will be required to complete the work for the Master's degree.

A graduate of the Pennsylvania College for Women who has completed one full year of continuous graduate study in an American University of high standing may make application to the Graduate Committee, or to the Committee on Scholarship and Standing of the College, for the degree of Master of Arts and this degree may be granted upon condition that she comply with the following requirements:

1. She shall present the University Registrar's certificate of credit for graduate work completed, and a letter from

the Chairman of her Examining Committee of the University certifying that her scholarship and amount of work successfully finished entitle her to the University examination for the Master's degree, and that he approves her application for such a degree from the Pennsylvania College for Women.

2. She shall submit to the Graduate Committee of Pennsylvania College for Women a satisfactory thesis based upon her graduate study.

3. She shall present herself for examination for the Master's degree at the time and place specified by the Graduate Committee.

Tuition and laboratory fees paid by graduate students are the same as those paid by undergraduates. The charge for diploma is ten dollars.

CURRICULUM SCHEDULE

Freshman Year 1st Semester	Freshman Year 2nd Semester	Sophomore Year	Junior Year	Senior Year
Latin Course I 3 hours	Latin Course II 3 hours	English Literature Course IV 2 hours	English Course VI 2 hours	Philosophy Course III 1½ hours
Rhetoric Course I 2 hours Literature Course I 2 hours	Rhetoric Course I 2 hours	Chemistry I or Biology I 3 hours	Philosophy Courses I and II 2½ hours	Bible Course IV 1 hour
French or German or Greek 3 hours	French or German or Greek 3 hours	French or German or Greek 3 hours	Bible Course III 1 hour	Elective 11½ hours
Mathematics Course I 3 hours	Mathematics Course II 3 hours	History Courses I and II 3 hours	Elective 8½ hours	
Bible, Course I 1 hour	Bible Course I 1 hour	Bible Course II 1 hour		
	Elective 2 hours	Elective 2 hours		
14	14	14	14	14

COURSES OF INSTRUCTION

PHILOSOPHY

DR. LINDSAY, MISS COOLIDGE, MR. WHEELER

1. **PSYCHOLOGY.** The aim in this Course is to give the student a knowledge of the laws and the phenomena of the mind, as well as to cultivate the power of thought.

Dr. Lindsay.

Required of juniors. 3 hours, first semester.

2. **LOGIC.** In this course the student is introduced to the study of logic as a science, and to the application of the Syllogism in deductive forms of reasoning. Some attention is also given to Inductive Methods and the Nature of Thought in general.

Mr. Wheeler.

Required of juniors. 2 hours, second semester.

3. **ETHICS.** Mackenzie's *Manual of Ethics* is the text-book used in this Course, but the students are referred to other works in order that they may be made acquainted with the leading systems of Ethics, and may also get a clear conception of the basis of obligation and the fundamental principles of morality.

Dr. Lindsay.

Required of seniors. 3 hours, first semester.

4. **HISTORY OF PHILOSOPHY.** An introductory outline of Greek philosophy is followed by a study of the development of modern philosophy. The work of the Course will include constant reference to the standard histories of philosophy.

Dr. Lindsay.

Elective, open to all who have taken the required work in Psychology. 2 hours, second semester.

5. **CHRISTIAN EVIDENCES.** In this Course the aim is to give a complete outline of the grounds upon which the Christian system rests, in order that the student may be made ac-

quainted with the arguments for Theistic and Christian belief.

Dr. Lindsay.

Elective, open to seniors, juniors and sophomores. 2 hours, first semester.

6. EDUCATION.

- a. History of Education. The development of educational ideals, material and methods, with special attention to the study of the great educational reformers.
- b. Contemporary Educational Principles and Problems. Class reports and discussions, lectures, papers.

Miss Coolidge.

Elective, 2 hours, second semester.

HISTORY

MRS. ARMSTRONG, MISS BROWNSON

1. THE MEDLÆVAL PERIOD. The history of Europe from the fourth to the fifteenth century. The object of this Course is to give a general survey of the political, social and ecclesiastical history of Europe from Constantine to the Treaty of Verdun. Particular attention is paid to the causes of the Fall of Rome, the Barbarians, the Development of the Church, Feudalism. The work is conducted by means of text-books, topical outlines, maps and lectures.

Mrs. Armstrong.

Required of sophomores. 3 hours, first semester.

2. THE MEDLÆVAL PERIOD (continued). The history of Europe from the Feudal Age to the Renaissance. In this Course particular attention is given to the dominating influence of the Church; the formation of the European States; the Holy Roman Empire; the Crusades. The work is conducted as in the first semester.

Mrs. Armstrong.

Required of sophomores. 3 hours, second semester.

3. THE MODERN PERIOD. A study of the history of Europe from the beginning of the Renaissance to the Congress of Vienna, 1815. Special emphasis is laid upon the

political and religious development of Europe during the Reformation, the rise of Prussia, the French Revolution and the Napoleonic Wars.

Miss Brownson.

Elective, open to students who have taken Courses 1 and 2. 3 hours, through the year.

4. MODERN EUROPEAN SOCIAL HISTORY. Studies in local institutions and organizations, the relations of classes, manners and customs, social development, trade relations of European States.

Miss Brownson.

Elective, open to students taking Course 3.

a. England under the Tudors and Stuarts.

Offered in 1908-09. 2 hours, one semester.

b. Russia under the Romanoffs to Alexander I.

Offered in 1909-10. 2 hours, one semester.

c. France under the later Valois and the Bourbons.

Offered in 1910-11. 2 hours, one semester.

5. ENGLISH HISTORY. The work of this Course is an outline of English history, political and constitutional, from the English Conquest to the reign of Henry VII, conducted by means of topical outlines, maps and lectures.

Mrs. Armstrong.

Elective, recommended to sophomores wishing to specialize in English Literature, but open to all students. 2 hours, first semester.

6. ENGLISH HISTORY. This course is a continuation of Course 5, from the reign of Henry VII to the present time. Special attention is given to the establishment of parliamentary control and the development of cabinet government.

Mrs. Armstrong.

Elective, open to those who have completed Course 5. 2 hours, second semester.

7. EUROPE IN THE NINETEENTH CENTURY. A study of the political history of Europe from 1815 to 1900.

Elective, open to students who have completed Course 3. 3 hours, through the year.

8. MODERN INTERNATIONAL RELATIONS. Studies in present day political problems.

Miss Brownson.

Elective, open to students taking Course 7.

a. The United States as a World Power.

Offered in 1908-09. 2 hours, one semester.

b. The Latin-American Republics.

Offered in 1909-10. 2 hours, one semester.

c. Europe in Africa.

Offered in 1910-11. 2 hours, one semester.

HISTORY OF ART

MISS MCCREERY

1. History of Italian Painting.

Elective, open to seniors and juniors. 2 hours, first semester.

2. History of Painting in France, Spain, the Lowlands, Germany, England.

Elective, open to students who have taken Course 1. 2 hours, second semester.

GREEK

MISS GREEN

1. GRAMMAR AND PROSE COMPOSITION, *First Greek Book* (White); XENOPHON, *Anabasis* (Goodwin and White).

Elective. 3 hours, through the year.

2. XENOPHON, *Anabasis* continued through Book IV: HOMER, *Iliad* (Seymour), Books I, II and III. *Greek Prose Composition* (Pearson).

Elective. 3 hours through the year.

Courses 1 and 2 are open to students not offering Greek in College preparation. Course 2 is open to students entering College with one year of Greek as third language.

3. PLATO, *Apology, Crito*; XENOPHON, *Memorabilia*. Greek Prose Composition.

Elective. 3 hours, first semester.

4. HOMER, *Odyssey*, Selections from Books I-XII. The epic will be studied as a whole from the literary standpoint; Homeric life and antiquities will be studied in detail. Greek Prose Composition.

Elective. 3 hours, second semester.

5. DEMOSTHENES, *Oration on the Crown*. Lectures and collateral reading on the Attic orators, legislative bodies and law practice in Athens.

Elective. 3 hours, first semester.

6. AESCHYLUS, *Prometheus Bound* (Mather); SOPHOCLES, *Ædipus Tyrannus* (Earle); EURIPIDES, *Medea*. Private reading on the archæology of the drama (actors, costumes, buildings, etc.).

Elective. 3 hours, second semester.

7. HERODOTUS, Books VI and VII, and a study of the Persian Wars.

Elective. 2 hours, one semester.

8. THUCYDIDES, and a study of the Peloponnesian War.

Elective. 2 hours, one semester.

9. HISTORY OF GREEK LITERATURE. Lectures with private reading assigned in Greek and English.

Elective, open to juniors and seniors. 2 hours, through the year.

10. PLATO, *Phædo*.

Elective, open to juniors and seniors. 2 hours, one semester.

11. ARISTOPHANES, *Frogs or Clouds*. Selections from the Lyric Poets.

Elective, open to juniors and seniors. 2 hours, one semester.

12. ADVANCED GREEK PROSE. Constructive study of Greek syntax and style.

Elective, advised for those intending to teach Greek. 2 hours, one semester.

13. INTRODUCTION TO GREEK ARCHÆOLOGY. An outline course in the study of Greek pottery, architecture, sculpture and minor antiquities, illustrated as far as possible.

Elective. 2 hours, first semester.

LATIN

MISS GREEN

1. LIVY. Selections from Books I, XXI, XXII.
Required of freshmen. 3 hours, first semester.
2. HORACE, *Odes and Epodes*.
Required of freshmen. 3 hours, second semester.
3. LATIN PROSE COMPOSITION.
Elective, open to freshmen to supplement the work of the first semester. 1 hour, second semester.
4. MYTHOLOGY, based upon Ovid.
Elective, open to all students. 1 hour, second semester.
5. CICERO, *Letters*. Lectures and readings upon the topography of Ancient Rome.
Elective, open to students who have completed Courses 1 and 2. 3 hours, first semester.
6. CICERO, *De Senectute* and *De Amicitia*.
Elective, open to students who have completed Courses 1 and 2. 3 hours, second semester.
7. TACITUS, *Annals*.
Elective, open to students who have completed Courses 1 and 2. 2 hours, first semester.
8. TACITUS, *Germania* and *Agricola*.
Elective, open to students who have completed Courses 1 and 2. 2 hours, second semester.
9. PLINY, *Letters*. Study of political and social conditions under the early empire.
Elective, open to students who have completed Courses 1 and 2. 2 hours, second semester.
10. HORACE, *Satires* and *Epistles*.
Elective, open to students who have completed Courses 1 and 2. 2 hours, first semester.
11. LATIN COMEDY. Selected plays of Plautus and Terence.
Elective, open to juniors and seniors. 3 hours, one semester.

12. HISTORY OF LATIN LITERATURE. Lectures with private reading assigned in Latin and English.

Elective, open to juniors and seniors. 2 hours, through the year.

13. ADVANCED PROSE COMPOSITION. Constructive study of Latin syntax and style.

Elective, advised for those intending to teach Latin. 2 periods, one semester.

GERMAN

MISS SKILTON

1. ELEMENTARY COURSE. Grammar, prose composition, reading of short stories and plays by modern writers, memorizing of poetry, conversation.

Open to students who presented no German at entrance. 3 hours, through the year.

2. INTERMEDIATE COURSE. Reading of modern German prose, and of the simpler classical dramas; grammar, prose composition, conversation.

Open to students who presented the minimum requirement in German, or who have taken Course 1. 3 hours, through the year.

3. COURSE IN GERMAN CLASSICS. Reading from the dramas and poems of Goethe, Schiller and Lessing. Lectures in the German language upon the classical period. Essays and oral reports upon assigned topics.

Open to students who presented the maximum requirement in German, or who have taken Courses 1 and 2. 3 hours, through the year.

4. SUPPLEMENTARY COURSE. Required of Freshmen deficient in amount of time spent on requirements *a, b, c, d*, pp. 20-21, or elective for others.

1 hour, through the year.

5. OUTLINE HISTORY OF GERMAN LITERATURE. Study of the development of German Literature from the earliest times to the close of the eighteenth century. Lectures and recitations, supplemented by constant reference to the

standard histories of literature and by reading of representative works.

The reading of the first semester includes the mediæval epics in modern German translation, the Minnergersang, Meistergesang, Volkslied; that of the second semester, selected works from the writers of the eighteenth century.

Open to students who have taken Courses 1, 2, 3, or to graduate and advanced students who can read and speak German fluently. 3 hours, through the year.

6. THE GERMAN DRAMA. Study of the development of the German Drama with special reference to the nineteenth century. Rapid reading of representative works. Lectures, essays, oral reports.

Open to students who have taken Courses 3 and 4, or to graduates. 2 hours, through the year.

7. THE GERMAN NOVEL. Study of the development of the German Novel with extensive reading of modern and current fiction. Lectures, essays, oral reports.

Open to advanced students or graduates who can read and speak German fluently. 2 hours, through the year.

8. ADVANCED GERMAN PROSE AND SYNTAX. Selected passages from English authors translated into idiomatic German. Original themes upon assigned topics. Study of idioms, synonyms and syntax.

Open to students who have taken Courses 1 and 2, or their equivalents; especially recommended to those who expect to teach German. 1 hour, through the year.

9. GÆTHER'S FAUST. Study of Gæthe's Faust, Parts I and II. Development of the Faust legend, and the genesis of Gæthe's Faust. Methods of Faust interpretation.

Open to juniors and seniors of sufficient advancement. 3 hours, one semester.

10. HEINE AND THE ROMANTIC SCHOOL. Lectures upon the life and times of Heine, with readings from his works.

Open to students who have taken Courses 3 and 4. 2 hours, one semester.

II. GERMANIC PHILOLOGY.

a. Gothic.

Grammar. Ulfilas' translation of the Bible. Lectures upon the development of the German language.

b. Middle High German.

Grammar. Selections from the Niebelungenlied, from Hartman von Aue, Wolfram von Eschenbach. Lectures.

Open to seniors and graduates. 2 hours, through the year.

12. LECTURES UPON THE HISTORY OF GERMAN LITERATURE. These lectures are given in English and are intended to give to students who are not specializing in German, a brief survey of the principal movements in German Literature.

Open to all students. 1 hour, through the year.

NOTE: With the exception of Course 12, German is the language of the classroom and is required in all recitations. A German Club will be formed for conversational practice if desired by a sufficient number of students.

FRENCH

MADAME de VALLAY

1. ELEMENTARY COURSE. Grammar, thorough drill on verbs; reading works of Colin, Labiche et Martin, Sandeau, About, Michelet; Fables de La Fontaine, committed to memory; dictation, composition, conversation.

Offered to freshmen who have presented no French at entrance. 3 hours, through the year.

2. INTERMEDIATE COURSE. Grammaire Littéraire. Lectures on the history of French literature of the eighteenth century accompanied by collateral reading of representative French authors. Drill in letter writing. English translated into idiomatic French, dictation, composition.

Open to students who have presented the maximum entrance requirements. 3 hours, through the year.

3. OUTLINE HISTORY OF FRENCH LITERATURE. Histoire de la Littérature Française. Lectures on the French litera-

ture of the seventeenth century. Collateral reading from the leading authors of the time; Boileau, Corneille, La Fontaine, Molière, Descartes, Pascal. Composition, conversation.

Open to students who have had Course 2. 3 hours, through the year.

4. THE PRECURSORS OF THE FRENCH ROMANTIC SCHOOL. Lectures on representative authors. Reading selections from Madame de Staël, Madame de Lafayette, Rousseau, Chateaubriand, Lamartine. Composition, conversation.

Open to students who have had Course 3 or its equivalent. 3 hours, through the year.

5. ORIGIN AND DEVELOPMENT OF THE FRENCH LANGUAGE. Lectures on the literature of the sixteenth century. Reading selections from representative authors. Composition, conversation.

Elective, open to students who have had Course 2 or its equivalent. 2 hours, through the year.

6. CLASSICAL TRAGEDIANS AND COMEDIANS. Lectures on Racine, Corneille, Molière with a critical study of their works. Composition, conversation.

Open to students who have had Course 3. 2 hours, through the year.

7. FRENCH LITERATURE OF THE NINETEENTH CENTURY. Lectures on representative authors. Reading works of Daudet, Victor Hugo, Rostand. Composition and conversation.

Elective, open to students who have had Course 3 or its equivalent. 2 hours, through the year.

8. ADVANCED FRENCH PROSE. Selected English authors translated into idiomatic French. Thorough study of syntax, idioms and synonyms. Brunot: Grammaire des Grammaires. Composition, conversation.

Elective, open to students who have had Course 5 and recommended to those who wish to teach French. 1 hour, through the year.

9. THE FRENCH DRAMA OF THE NINETEENTH CENTURY, with brief résumé of its earlier development. Rapid

reading course. Composition based upon works read. Topics assigned for reports. Conversation.

Elective, open to students who have had Course 3. 2 hours, through the year.

10. FRENCH EPICS. Lectures on La Chanson de Roland, La Henriade, La Légende des Siècles. Reading: The Epics.

Elective, open to students who have had Course 9. 2 hours, through the year.

11. CURRENT EVENTS. Discussion of political and literary questions of the day with supplementary reading of history, novels and magazine articles in relation to subjects. The course is strictly conversational.

Elective, offered to graduates and students who have had Courses 3, 8, or their equivalents. 1 hour, through the year.

ENGLISH LANGUAGE AND LITERATURE

MR. PUTNAM AND ASSISTANTS

1. MASTERPIECES. A study of the lives and productions of the great masters in English Literature. The aim is to increase the information and cultivate the appreciation of the general student. Assigned readings, reports and discussions.

Required of freshmen. 2 hours, first semester.

2. SHAKESPEARE. A study of the language, poetry and characters in four plays of Shakespeare. *Midsummer Night's Dream*, *Henry IV*, *Hamlet*, and *The Tempest*, will be studied in 1908-9. The primary aim is to compel intimate knowledge of the idiom, poetry and character method of a limited number of plays. The course can be elected in successive years.

Open to freshmen and sophomores. 3 hours, second semester.

3. ANGLO-SAXON. An elementary course in Anglo-Saxon. Bright's Anglo-Saxon Reader, translation of representative prose and poetry, and a study of the Anglo-Saxon

grammar. Students intending to specialize in English Literature are urged to take this course.

Open to freshmen and sophomores. 2 hours, second semester.

4. LINGUISTICS. A study of the grammar, idiom, and vocabulary of middle English at representative periods. Readings from Chaucer, Spenser and Milton. Incidentally the course aims to extend the knowledge and enjoyment of the literature of these masters. English 2, 3 and 4 are intended to prepare the student for intelligent reading of English Literature from 1200 to the present time.

Required of sophomores. 2 hours, through the year.

5. BALLAD LITERATURE. A study of the folk ballad in England, its origin, development and influence. Lectures, assigned readings, reports, discussions.

Open to sophomores and juniors. Given in alternate years. Will be offered in 1908-9. 3 hours, first semester.

6. OUTLINES OF ENGLISH LITERATURE. A study of the development of English Literature from Beowulf to Tennyson, together with the forces and types that have dominated it. Assigned readings, reports, discussions, lectures.

Required of juniors. 2 hours, through the year.

7. SHAKESPEARE. A study of the growth of the mind, art and philosophy of Shakespeare as represented in fifteen typical plays. Collateral reading on The Life of Shakespeare, theories of the sonnets, Baconian hypothesis, and other allied topics. Lectures, reports, discussions.

Students taking English 7 are urged to take English 2 as preparation.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered in 1909-10. 3 hours, first semester.

8. ENGLISH DRAMA. The origin and development of the English drama to the closing of the theaters in 1642. A

study of representative masterpieces of the great playwrights. Lectures, reports, theses. Prerequisites English 2 and English 7.

Open to juniors and seniors. Given in alternate years. Will be offered in 1909-10. 3 hours, second semester.

9. THE ESSAY. A study of its types and characteristics. Extended reading in the works of the great essayists, including Bacon, Addison, Steele, Macaulay, Carlyle, Lamb, Hazlitt, Emerson, Lowell, De Quincy, Arnold and Stevenson. Reports, discussions, lectures.

Open to juniors and seniors. Given in alternate years. Will be offered in 1908-9. 3 hours, first semester.

10. THE NOVEL. A study of the development of the English novel, its types and significance. Extended reading in the novels of the nineteenth century. Reports, discussions, lectures. The student will be held responsible for at least fifteen novels in addition to collateral reading. Theses may be required.

Open to juniors and seniors. Given in alternate years. Will be offered in 1908-9. 3 hours, second semester.

11. AMERICAN LITERATURE. A seminar in the development of American Literature from 1607 to 1900. Topics will be assigned, reports and theses required, wide reading insisted upon, and the class left to the conduct of its members in turn. It is designed for those who have specialized in English and who expect to teach it or to pursue graduate study.

Open to juniors and seniors. Given in alternate years. Will be offered in 1909-10. 3 hours, second semester.

12. LITERARY CRITICISM. A seminar in the history of criticism, in its literature, and in the interpretation of good literature. The aim is to acquaint the student with the elements which compose good literature and with the sources of suggestion in criticizing. Topics, assigned readings, reports, theses. Students will be required to conduct the reci-

tations. Prerequisite English 2. Intended for students who expect to teach or to pursue graduate study and who have specialized in English. The course is limited in numbers.

Open to juniors and seniors. Given in alternate years. Will be offered in 1909-10. 3 hours, second semester.

13. NINETEENTH CENTURY LITERATURE. A seminar in the literature of England since 1800. The essay, the novel, the drama, and poetry are treated in outline. Readings, reports, discussions, lectures.

Open to juniors and seniors. Given in alternate years. Will be offered in 1908-9. 3 hours, first semester.

14. NINETEENTH CENTURY POETRY. A seminar in the poetry of England from 1798. A minute study of Wordsworth, Tennyson and Browning, together with lectures and discussions of the other poets of the century. Readings, reports, theses.

Open to juniors and seniors. Given in alternate years. Will be offered in 1908-9. 3 hours, second semester.

15. ANGLO-SAXON. An advanced course for students specializing in English or German. A careful study of the grammar and diction of Old English. Reading of Beowulf entire and poems from Cædmon and Cynewulf. Prerequisite English 3.

Open to juniors and seniors. Given in alternate years. Will be offered in 1908-9. 2 hours, through the year.

16. BROWNING. A seminar in the poetry and philosophy of Robert Browning. Lectures, papers, discussions.

Miss Coolidge.

Open to juniors and seniors. 1 hour, through the year.

Courses 1 to 10 are open to special students if their preparation is sufficient to warrant the instructor in admitting them.

Courses 7 to 15 are open to graduate students specializing in English, but an exceptional standard of work in quantity and quality will be expected of them.

The head of the department will oversee any additional research work which graduate students or undergraduates specializing in English may desire to pursue.

RHETORIC

MR. PUTNAM AND ASSISTANTS

1. ENGLISH COMPOSITION. Daily or weekly themes. Study of a text-book. Application of the principles of description, narration, exposition and argumentation. As signed readings, reports, discussions, classroom analyses and criticism. A general outline course in the fundamentals of rhetoric.

Required of freshmen. 2 hours, through the year.

2. NARRATION. An advanced course in the rhetoric of emotion. A study of the principles of description and narration and their application in daily and weekly themes. Assigned readings in narrative masterpieces especially in the short story. Reports, discussions, classroom criticism.

Open to sophomores and juniors. Given in alternate years. Will be offered in 1908-9. 2 hours, through the year.

3. ARGUMENTATION. An advanced course in the rhetoric of thought. A study of the principles of exposition and argumentation, of conviction and persuasion. Text-books, assigned readings in the masterpieces, reports, discussions, criticism. Constant practice in preparation of notes, outlines, briefs and themes. The aim is to cultivate clear thinking and effective expression.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered in 1909-10. 2 hours, through the year.

4. POETICS. A study of the nature, origin and development of English verse forms. Assigned readings, reports, discussions, lectures; weekly practice in the writing of original or imitative verse. The course is both a study of the literature of English verse and a practice in its production.

Open to juniors and seniors. Given in alternate years. Will be offered in 1908-9. 2 hours, through the year.

NOTE: If students so desire, Rhetoric 3 may be given in place of Rhetoric 2 or Rhetoric 4 in 1908-9.

5. **DRAMATICS.** A study of the principles which underlie dramatic composition. Criticism and analysis of representative dramas. Lectures, assigned readings, reports, discussions. Practice in the writing of original dramas.

Prerequisites 4 hours in rhetoric, English 2, English 7 and English 8. The instructor reserves the right to limit the numbers taking the course.

Open to seniors. 2 hours, first semester.

BIBLICAL LITERATURE

MISS BROWNSON

1. HISTORICAL STUDY OF THE LIFE OF CHRIST.

Required of freshmen. 1 hour, through the year.

2. **THE APOSTOLIC AGE.** The organization of the Christian Church and the development of its life and literature during the first century.

Required of sophomores. 1 hour, through the year.

3. **OLD TESTAMENT HISTORY.** Studies in the development of the Hebrew people, the growth of political institutions, the influence of other nations, the religious life, the literature.

Required of juniors. 1 hour, through the year.

4. **OLD TESTAMENT PROPHECY.** A study of the development and characteristics of prophecy, the place of the prophets in the life of Israel, the relation of prophecy to history, Messianic prophecy.

Required of seniors. 1 hour, through the year.

5. **HEBREW POETRY.** A study of the poetry of the English Old Testament, especially the Psalms, the Proverbs.

Elective, open to juniors and seniors. 2 hours, first semester.

6. **HISTORICAL GEOGRAPHY OF PALESTINE.** The land in its physical aspects, the place of Syria in history, the interpretation of the Bible by geographical study, detailed survey of the country.

Elective, open to juniors and seniors. 2 hours, one semester.

7. BIBLICAL ARCHÆOLOGY. Studies of the results of modern exploration in Biblical lands.

Elective, open to junior and seniors. 2 hours, one semester.

MATHEMATICS

MR. WHEELER

1. SOLID GEOMETRY. Theorems and constructions as given in Durell's *Solid Geometry*. Solution of numerous original exercises, including loci problems. Application to the mensuration of surfaces and solids.

Required of freshmen. 3 hours, first semester.

2. PLANE TRIGONOMETRY. Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles. Proofs of principal formulas, in particular for the sine, cosine and tangent of the sum and difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines; the transformation of trigonometric expressions by means of these formulas. Solution of trigonometric equations. Theory and use of logarithms. Solution of right and oblique triangles, and practical applications.

Lyman and Goddard's *Trigonometry with Tables* is used as a text-book.

Required of freshmen. 3 hours, second semester.

3. ALGEBRA. Required of freshmen who are deficient in requirements for admission as given in III. Mathematics, Note, page 26.

Ashton and Marsh's *College Algebra*.

1 hour, first semester.

4. ADVANCED ALGEBRA AND SPHERICAL GEOMETRY.

a. Permutations and combinations. Complex numbers with graphical representation of sums and differences. Determinants including the solution of

linear equations. Numerical equations of higher degree and the theory of equations, with graphical methods, including Descartes' rule of signs and Horner's Method.

Ashton and Marsh's *College Algebra*.

- b. Proofs of principal formulas for spherical triangles.
Solution of right spherical triangles.

Students intending to pursue the courses in higher mathematics are advised to elect this course. Prerequisite Course 2, or may be taken parallel with Course 2. 2 hours, second semester.

5. HISTORY OF MATHEMATICS. This course is offered in the belief that it is essential to a thorough understanding of elementary mathematics. It treats of the development of mathematics from the earliest known times to the invention of analytical geometry by Descartes in 1637. The subjects considered are Number Systems, Numerals, Arithmetic, Algebra and Geometry.

References: Histories of Mathematics by Ball, Fink, Gow and Cajori; Fine's *Number-systems of Algebra*, Smith's *Teaching of Elementary Mathematics*, and Schubert's *Mathematical Essays and Recreations*.

Prerequisite Course 2. 2 hours, first semester.

6. PLANE ANALYTIC GEOMETRY. An introductory course treating of the properties of the straight line, the circle, and the conic sections; loci and the general equation of the second degree.

Prerequisite Course 2. 3 hours, first semester.

7. DIFFERENTIAL AND INTEGRAL CALCULUS. An introductory course.

Prerequisite Course 6. 3 hours, second semester.

8. SOLID ANALYTIC GEOMETRY, ADVANCED CALCULUS AND DIFFERENTIAL EQUATIONS.

Prerequisites Courses 4 and 7. 3 hours, through the year.

9. HISTORY OF HIGHER MATHEMATICS.

*Prerequisite Course 7; or may be taken parallel with Course 7.
2 hours, one semester.*

ASTRONOMY

MR. WHEELER

I. ASTRONOMY, descriptive and historical. Elementary facts and principles with mathematical exercises. Location of principal constellations with field and laboratory work.

The College owns a good $4\frac{1}{4}$ inch refracting telescope, which is at the disposal of the student for observing the sun, moon, stars and nebulae.

Prerequisites Mathematics, Courses 1 and 2. 2 hours, through the year.

PHYSICS

MISS MONTGOMERY

I. ELEMENTARY PHYSICS. The class work will consist of lectures on the subjects of mechanics, sound, light, heat, electricity and magnetism. As far as possible these are illustrated by lecture table experiments. Carhart's *University Physics* will form the basis of the lecture work.

In the laboratory the students are first instructed in the methods of accurate measurement and in the laws governing the equilibrium and motion of bodies. Later they make determinations of electrical quantities, and problems in heat, sound and light are studied.

Elective. 3 hours, through the year.

CHEMISTRY

MISS MONTGOMERY

I. GENERAL INORGANIC CHEMISTRY. This course does not presuppose a knowledge of Chemistry. It consists of lectures and recitations on the history, occurrence, preparation and properties of the more important non-metallic and metallic elements. Classroom work is supplemented by work in laboratory, where each student prepares and transforms the chief substances studied. The text-books used are Rem-

sen's *College Text-book of Chemistry* and Keiser's *Laboratory Manual*.

3 hours, through the year. Laboratory work, 4 hours weekly.
This Course, or Course I in Biology, required of sophomores.

2. **QUALITATIVE ANALYSIS.** This course consists of lectures, reviews and laboratory work in Qualitative Analysis. Ample practice in identifying unknown substances is given to each student. The text-book used is A. A. Noyes' *Qualitative Analysis*.

Elective, open to students who have completed Course I. 3 hours, first semester. Laboratory work, 2 hours weekly.

3. **QUANTITATIVE ANALYSIS.** Lectures and laboratory work in gravimetric and volumetric methods.

Elective, open to students who have completed Course I. 2 hours, first semester. Laboratory work, 2 hours weekly.

4. **ORGANIC CHEMISTRY.** Typical organic compounds, their relations and transformations are studied. In the classroom the work is pursued by lectures and reviews. In laboratory, the more simple organic compounds are first studied and the synthesis of more complex substances from these is then taken up. In every preparation attention is given to quantitative results. The text-books followed are Remsen's *Organic Chemistry* and Gatterman's *Practical Methods of Organic Chemistry*.

Elective, open to students who have completed Course I. 4 hours, second semester. Laboratory work, 5 hours weekly.

5. **LECTURES ON THEORETICAL CHEMISTRY.** In this course a systematic study is made of the Atomic, Kinetic and Electrolytic Theories of the constitution of matter.

Elective, open to students who have completed Courses 1 and 4. 1 hour, through the year.

6. **ADVANCED ORGANIC CHEMISTRY.** In this course two hours a week are devoted to lectures on Methods in Organic Chemistry. Each student is assigned a problem in laboratory, which she solves according to methods used in original research. An organic compound whose composition is

unknown is examined and its empirical and structural formulas are determined. This determination involves the application of the most important laboratory methods used in organic research, such as combustions, molecular weight determination, etc. It is carried on independently by the student. After the correct solution of this problem, opportunity is offered the student of starting a problem in original work. The course is especially qualified to fit students for independent research, and has that end in view. It is offered as first year graduate work.

BIOLOGY

MISS MONTGOMERY

I. GENERAL BIOLOGY.

- a. Systematic Invertebrate Zoology. This course consists of a comparative study of the amœba, and other protozoa of typical members of the following subkingdoms: Cœlenterata, Platyhelminthes, Nemathelminthes, Trochelminthes, Echinodermata, Annulata, Anthropoda.
- b. Vertebrate Zoology and Embryology. Lectures are given on the skeletons, the muscular, digestive, respiratory, nervous, and urogenital systems of the frog, fish, pigeon and rabbit. This is followed by a brief study of the embryology of the frog and chick.
- c. Eight weeks of Botany, including a study of the structure and physiology of typical plants; and a systematic study of the great groups: Thallophytes, Bryophytes, Pteridophytes, Spermatophytes.

This course or Course 1 in Chemistry required of sophomores. 3 hours, through the year.

2. COMPARATIVE ANATOMY OF VERTEBRATES. Study of the anatomy and physiology of a typical mammal. Laboratory experiments to give practice in histology in addition to experiments regarding composition of foods, digestion, physiology of nerves and muscles, mechanism of circulation.

Elective, open to those who have completed Course 1. 2 hours, first semester.

3. STRUCTURE OF CELL AND PROTOPLASM. Study of numerous protozoa; structure of cell; developmental phenomena; cell division; spermatogenesis; oogenesis.

Elective. 2 hours, second semester.

EXPRESSION

The aim of this department is to foster in the student a larger appreciation of the truth and beauty of great prose and verse, and at the same time to develop the power of expressing to others the results of such literary work. Expressional study of the best kind cultivates beauty of speech, trains the intellect, educates the emotions and puts the student into full command of the forces of body and mind.

Elective courses are offered for all College classes, and private work may be arranged for by consultation with the Instructor. Persons not registered for courses in other departments may become special students in Expression.

Students' recitals are occasionally given.

EXPRESSION COURSES

MISS KERST

1. a. STUDIES IN VOICE, DICTION, MELODY, PHRASING, RHYTHM, GESTURE, ATTITUDE; IN PRONUNCIATION AND CORRECT UTTERANCE.

Selections are analyzed, and students are assigned definite work for presentation before the class. Criticism and helpful suggestions are given.

- b. EXPRESSIVE PHYSICAL CULTURE.

Exercises are given for poise, presence, bearing; for grace and ease of manner; for breathing.

Elective, for sophomores and freshmen. 1 hour, through the year.

2. PRINCIPLES OF VOCAL EXPRESSION AND LITERARY INTERPRETATION.

The study of thought processes in their relation to utterance. Technical vocal training, the

placing of tones, compass, the development of resonance, flexibility, freedom, smoothness, purity and power. The eradication of faults in the use of the voice.

This is distinctly a practice course, in which the student applies the principles underlying all art. Selections include description, narration, oration, exposition and essay; epic, lyric and dramatic poetry. Critical analysis of the selections is made and personal criticism and guidance given in their rendition. Platform recitations are made by the student for criticism.

Elective, for seniors and juniors. 1 hour, through the year.

MUSIC

MR. MORGAN

I. HARMONY. This course includes the study of intervals, scales, formation and correct use of all the chords, (consonant and dissonant), and the harmonizing of melodies.

Elective, open to all students. 1 hour, through the year.

Two hours of music may be counted toward a degree on condition that one hour is theoretical instruction, with which one hour of practice work may be combined by permission of the Faculty.

The College believes in the cultural power of music and in its value in the higher education of women. It expects to enlarge the courses and to keep music on the high intellectual plane which is being increasingly accorded to it by colleges.

Information concerning practice courses in all departments of music may be found on pages 68-70.

ART

The Art course is designed to present the subject of the Fine Arts as a part of liberal culture. Lecture courses are given through the year by non-resident professors and the

great masterpieces of painting, sculpture and architecture are made familiar to the student. The Carnegie Institute art collections are visited under the direction of artists.

A PROFESSIONAL COURSE IN PRACTICAL PHILANTHROPY

Practical Philanthropy offers an ever widening field of work for educated women, and Pittsburgh affords exceptional opportunities for its study. A course in this subject will be opened during the coming year, combining scientific and practical training. Definite plans are now forming and details may be obtained through correspondence with the President or Dean.

RELIGIOUS AND SOCIAL LIFE

The College is thoroughly Christian in spirit and influence, but entirely unsectarian in its management and instruction. Students are expected to be present at daily prayers in the Chapel, and resident students to be regular attendants at church on Sunday mornings and at the Sunday Vesper services in Berry Hall. The Young Women's Christian Association maintains a mid-week prayer meeting and a mission study class; and it contributes to mission work at home and abroad. Systematic Bible study is one of the College requirements, and four hours of such work are prescribed along the lines of literature and history. The social life of the College is under the charge of the Dean. She makes arrangements for the comfort and well-being of resident students, and the plans of all the classes for social occasions are brought to her for approval. General receptions for the students and their friends are held at Mid-year, and in connection with the Commencement exercises. Smaller gatherings of Faculty and students occur at intervals throughout the year. The traditional College celebrations are those of Hallowe'en, Christmas, Saint Valentine's Day, and May Day, participated in by the student body. The separate classes take the initiative in more informal enter-

taining at suitable times. The Young Women's Christian Association gives a reception to new students at the beginning of the year, and conducts a Bazaar in December for the benefit of its mission work in Japan.

STUDENTS' CLUBS AND ASSOCIATIONS

The Omega Society has a membership chosen with respect to scholarship and literary ability. Its work is the promotion of an interest in literature, and the providing of opportunities for practice in the art of expression. The Society holds occasional open meetings for the presentation of special programs.

The Young Women's Christian Association holds weekly prayer meetings and monthly missionary meetings. It has an organized Mission Study class. The Association maintains a scholarship in a missionary school in Oratu, Japan, and it is responsible for the equipment of a room in the Young Women's Christian Association Building in Pittsburgh. Delegates are sent to the Annual Conventions at Silver Bay, and an active part taken in all work looking toward the strengthening of the religious forces of the institution.

The Athletic Association is a wide awake organization which affords the students of the College an opportunity to play basket ball, tennis and all out door games. It is the aim of the Association to foster the growth of College spirit, and also to help with the running expenses of the tennis court and basket ball teams. Through the efforts of the members some very valuable apparatus has been purchased for the gymnasium.

The Dramatic Club has for its work the critical study of pieces of dramatic literature as a means of personal culture for its members, and the occasional presentation of carefully selected plays. The principal event of the Club year is the production of Senior Dramatics at Commencement time. In 1907, the play was *Guinevere*, based upon the *Idylls of the King* and the *Morte d'Arthur*, and arranged by Miss

Bessie D. Johnson, Miss Ellen B. McKee, and Miss Clara L. Niebaum, of the Senior Class.

The Glee Club furnishes an excellent opportunity for training in voice. The Club responds to many calls for its services at College affairs and occasionally in the city, and gives an Annual Concert. It has an enthusiastic membership and its work is much valued in the College life.

The Mandolin Club is a recent organization, but its work is showing rapid progress, and it will soon win a popular position among the College clubs.

SCHOLARSHIPS AND PRIZES

Two scholarships are open to students of ability who expect to pursue regular courses of study, but who need financial aid in meeting the necessary expenses of a college education.

1. THE HELEN E. PELLETREAU SCHOLARSHIP. A fund has been raised by the Alumnæ to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved President of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Mrs. William S. Miller, 4741 Bayard Street, Pittsburgh.

2. THE MARY HAWES NEVIN SCHOLARSHIP. To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family has given the sum of \$6,000.00 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious of the advantage of a college course.

The Helen E. Pelletreau Scholarship is awarded by the Scholarship Committee of the Alumnæ Association; the Mary Hawes Nevin Scholarship, by Mrs. John I. Nevin. These scholarships are held for one year, but may be renewed upon application.

The Annie Dickson Kearns Medal is a prize founded by Mrs. William L. Coyle in memory of her sister, Miss Annie

Dickson Kearns. It is a gold medal awarded annually to the member of the Senior class who shall have attained the highest average standing for the Junior and Senior years of the College course.

CORRESPONDENCE

Business inquiries and letters concerning the entrance of students should be addressed to Pennsylvania College for Women, Pittsburgh, Pa. Personal letters or particular communications of parents in regard to their daughters should be sent to the President, Rev. Henry D. Lindsay, D.D., or to the Dean, Miss Cora Helen Coolidge.

TEACHERS' REGISTRY

The College is deeply interested in the welfare of its Alumnæ, and is willing to coöperate actively with those who desire to secure teaching positions. A registry will be kept for the purpose, and eligible candidates will be recommended to schools desiring to fill vacancies in their faculty lists.

DEGREES CONFERRED IN 1907

BACHELOR OF ARTS

Allison, Mary Edith	Wilkinsburg
Johnson, Bessie DePuy	Pittsburgh
McKee, Ellen Blanche	Wilkinsburg
McKee, Mary Clarissa	Wilkinsburg
Niebaum, Clara Luella	Pittsburgh
Stevenson, Anna Grace	Coraopolis

STUDENTS

SENIORS

Greene, Lilla Abigail	Hoosick Falls, N.Y.
Grow, Laura Myrtle	Highland, Cal.
Marshall, Virginia Gilmour	Wilkinsburg
Mellon, Mary Bell	Wilkinsburg

JUNIORS

Beard, Irma Haynie	Wilkinsburg
Coburn, Enid Gladwin	Pittsburgh
Cohen, Eva Marie	Pittsburgh
Coulter, Mary Emma	Canonsburg
Estep, Leila Anna	Pittsburgh
Jarecki, Carla Dorothea	Sandusky, O.
Sargent, Anna Valeria	Whittier, Cal.
Thompson, Ceora	Pittsburgh

SOPHOMORES

McKibben, Elma Lenore	Pittsburgh
Neel, Frances Folsom	Dravosburg
Tassey, Ethel Belle	McKeesport
Tatnal, Edna Grace*	Pittsburgh

*Advanced Credit.

FRESHMEN

Bray, Corinne Beatrice	Pittsburgh
Carpenter, Sarah Reynolds	Wilkinsburg
Crowe, Mabel Florence	Pittsburgh
Darrah, Alice Lillian	Pittsburgh
Diescher, Irma Jessie	Pittsburgh
Duff, Helen	Aspinwall
Elcessor, Eleanor Irene	Pittsburgh
Gray, Frances	Pittsburgh
Greene, Margaret	Hoosick Falls, N.Y.
Hamilton, Minerva	Pittsburgh
Holliday, Jennie Margaret	Pittsburgh
McClymonds, Belle Vance	Wilkinsburg
McCullough, Maggie May	Wilkinsburg
Rothrock, Mary Helen	Reedsville
Scovil, Sarah	Pittsburgh
Supplee, Rosalie	Wilkinsburg
Trussell, Elma Marie	Carrick
Wayne, Gertrude Jeannette	Braddock
Wilson, Florence Kerr	Wilkinsburg

SPECIAL STUDENTS

Blakeslee, Clarissa Reta	Kittanning
Dysart, Susan Phillips	Pittsburgh
Graeper, Martha Marie	Chillicothe, O.
Harmon, Mrs. Richard E.	Pittsburgh
Hill, Margretta Jane	East Brady

Kramer, Mary Alice	Allegheny
MacLay, Jean Reynolds	Wilkesburg
Officer, Julia Holcomb	Franklin
Siggins Virginia	Oil City
Wells, Helen	Edgewood

ART STUDENTS

Arons, Beatrice	Pittsburgh
Janewein, Freda	Pittsburgh
Lucius, Barbara	Pittsburgh
Rattigan, Harriet *	Pittsburgh
Stahley, Mary Morrow	Pittsburgh

*Also student in Expression.

ALUMNAE ASSOCIATION

The Association has its headquarters at the College, and holds its annual meeting in the Chapel on the Friday preceding Commencement Day. It publishes annually the *Alumnae Recorder*, containing a list of graduates, corrected by the latest information obtainable, and many items of interest concerning Alumnae and former students.

The officers of the Association for the year 1907-1908 are: President, Mrs. William L. Coyle; Vice President, Mrs. Abram G. Holmes; Recording Secretary, Miss Jennie McSherry; Treasurer, Miss Elizabeth McCague. Editors of *Alumnae Recorder*: Miss Ellen McKee, Miss Clara Niebaum, Miss Anna Willson, Mrs. Richard Dearborn.

The entire Association is in full sympathy with College plans and purposes, and manifests its feeling in very practical ways. Two clubs of recent Alumnae have been organized, members of the classes between 1890 and 1900 forming Decade Club I, and graduates from 1900 on constituting Decade Club II. A presentation of "David Garrick" was made by members of these clubs at the College on December 12 and 13, 1907, the proceeds being added to contributions from the Association at large in order to form a Lecture Fund for the benefit of Undergraduates and Alumnae.

Two lectures have been given under the auspices of the Lecture Committee. On November 5, 1907, Miss Jane Ad-

dams, of Hull House, Chicago, spoke upon "Social Settlements in England and America"; and on February 26, 1908, Miss Laurence Alma-Tadema, of England, lectured upon "The Meaning of Happiness". An open meeting of Decade Club II is arranged for April 10, to be addressed by Miss Coolidge on "An Afternoon With Stevenson".

FEES	PER YEAR.
Tuition	\$125.00
Room rent, including light and heat	100.00
Table board	175.00
Physical Training—	
Private lessons, twice a week	50.00
In classes of four, twice a week	25.00
Expression—	
Private lessons twice a week	25.00
Laboratory—	
Biology, or Chemistry	15.00
Physics	5.00
Tutoring, per hour	1.00
Private Examination	2.00
Diploma—	
Bachelor of Arts	5.00
Master of Arts	10.00
Laundry, plain pieces, per dozen . . . . .	.50
Luncheon, for day students . . . . .	.25
Boarding during vacation, per week	7.00

REGULATIONS FOR PAYMENT

Tuition will be remitted to resident students who are daughters of ministers. A reduction of \$25.00 will be made to day students who are daughters of ministers or of teachers.

All bills for boarding, tuition and extras are due, one-half at the beginning of the college year and the remainder on February 1. Checks should be made payable to Pennsylvania College for Women.

All arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

As engagements with instructors and other provisions for the education of students are made by the College for the entire year in advance, *no deduction can be made in the charge for tuition for either resident or day students.*

No degrees will be conferred unless all bills due to the College by the candidate have been paid.

APPLICATION FOR ROOMS

All applications will be registered and rooms not engaged by former students will be assigned according to the date of application. The bedrooms are generally arranged for two students, and are comfortably furnished. Single rooms require an additional fee. There are no undesirable bedrooms in the College buildings. Any information concerning the rooms will be given upon application to the Secretary.

Resident students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for resident students from *the date at which they had engaged to enter their daughter or ward until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness, when the loss for board and room will be equally shared.*

All unnecessary wear of carpets, furniture, etc., is charged to the students occupying the room.

MUSIC SCHOOL

FACULTY

IRVIN J. MORGAN, MUS. BAC., DIRECTOR,
Grand Organ, Piano, Theory.

INA FEW,
Voice.

CLARA C. DRAIS,
Assistant in Piano.

FRANZ KOHLER,
(Assistant Concertmeister—The Pittsburgh Orchestra)
Violin.

OTTO KEGEL,
(The Pittsburgh Orchestra)
Wind Instruments.

ALBERT D. LIEFELD,
Mandolin and Guitar.

MUSIC

Unusual opportunities are offered at Pennsylvania College for Women for the study of this branch of art. The Music School connected with the College has been enlarged and reorganized. All the instructors have had foreign study and training in the subjects placed under their direction. New pianos have been placed throughout the building, and sixteen of these are available for daily practice; and a fine three-manual organ makes it possible for students to secure great advantages in the way of practical training. Instruction is given in Grand Organ, Voice, Piano, Violin, Cornet, and other instruments, if desired. Courses in Harmony, History of Music, and in Musical Appreciation are offered.

Students taking College courses may have two hours of music counted toward a degree, on condition that one hour is theoretical instruction, with which one hour of practice work may be combined by permission of the Faculty. Certificates of work done in Music are given by the Music School, entirely separate from credit records for other courses.

COURSES AND TERMS

	Per One lesson weekly	Semester Two lessons weekly
Grand Organ	\$40	\$75
<i>Three-manual pipe organ for lessons and practice, blown by electric motor.</i>		
Piano	30	50
Piano Technics	30	50
<i>Choice of three following methods: Leschetizky, Mason or Virgil Clavier.</i>		
Voice	30	50
Violin	}	50
Harp		
Guitar		
Mandolin		

THEORETICAL COURSES

Harmony, Counterpoint, Canon, Fugue, Composition, Orchestration, Instrumentation.	{	Private instruction at Piano rates. Class instruction, for those not otherwise clas- sified, \$15 per semester.
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	Per Semester.
Use of Organ, one period daily	\$15
Use of Piano, one period daily	10

All arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

FREE ADVANTAGES

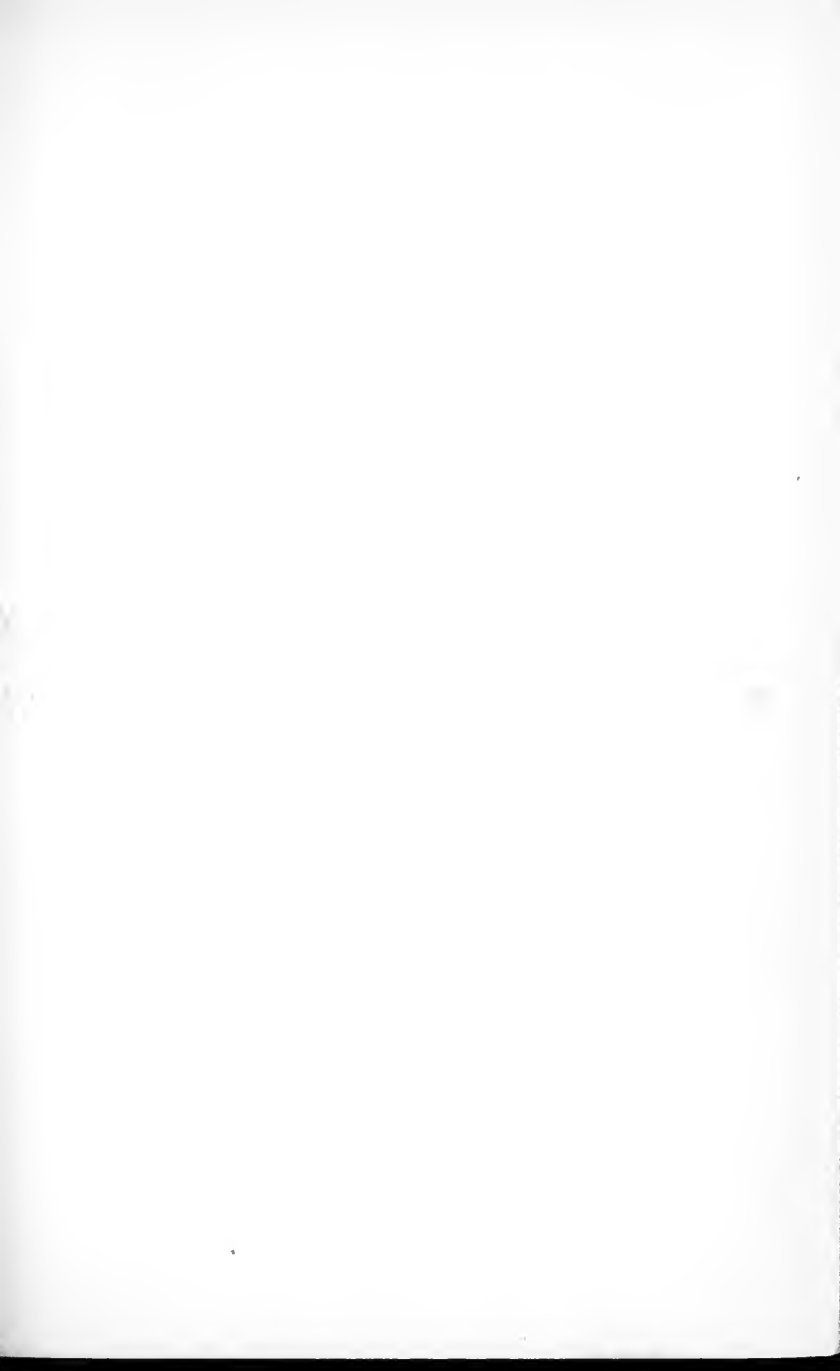
(Open to all Students)

Harmony Class, Ensemble Class, Choral Class, Sight-Singing Class, Class in Musical Appreciation, Glee Club, Mandolin Club. Concerts and Lectures.

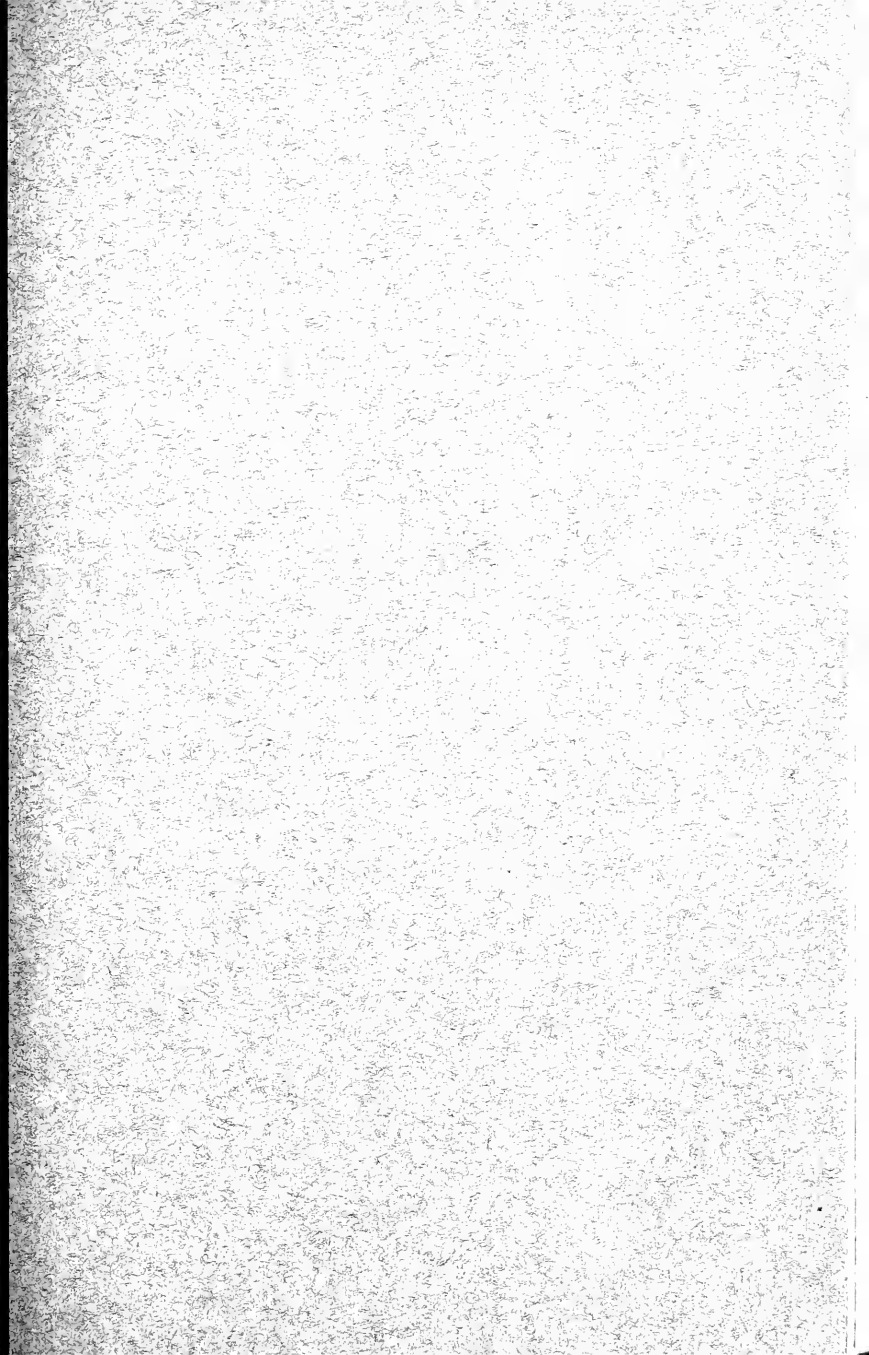
STUDENTS IN MUSIC

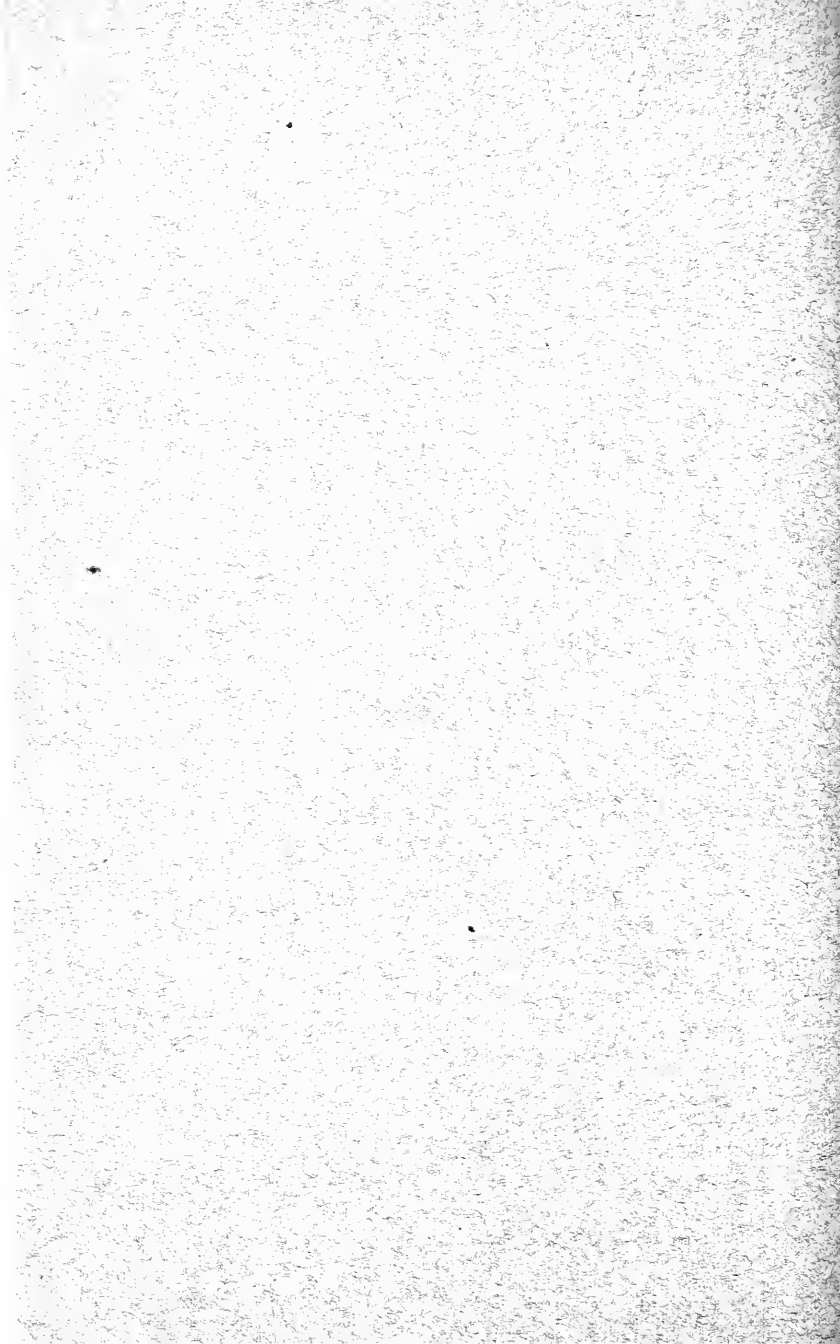
Aronson, Emma Cyril	Pittsburgh
Bickel, Florence Emma	Pittsburgh
Boughner, Louisa Ethel	Uniontown
Colestock, Sidney	Pittsburgh
Crabbs, Flora May	Pittsburgh
Crowe, Mabel Florence	Pittsburgh
Duff, Marjorie Burt	Carrick
Elderkin, Eleanor Stanton	Pittsburgh
Eiler, Mildred Grace	Pittsburgh
Ensign, Helen Galbraith	Pittsburgh
Fauset, Adelaide Katherine	Wilkesburg
Fulton, Mary McConnell	Pittsburgh
Godwin, Gertrude Garnet	Pittsburgh
Goedcke, Hattie Erma	Pittsburgh
Greene, Lilla Abigail	Hoosick Falls, N.Y.
Hickson, Edwina Noline	Muncie, Ind.
Hill, Kate Lucille	East Brady
Hill, Margretta Jane	East Brady
Hill, Mary Eliza	Avonmore

Hornberger, Norma Cole	Pittsburgh
Hubley, Agnes Jones	Pittsburgh
Jolly, Lena	Bellevue
Kerr, Helen Hall	Pittsburgh
Kimball, Helen	Pittsburgh
Kirkwood, Helen Losey	Pittsburgh
Kramer, Mary Alice	Pittsburgh
Longanecker, Carrie Mathiot	Pittsburgh
Louden, Cora May	Kittanning
Mackrell, Edna	Pittsburgh
Main, Leah	Bethany, W. Va.
Marshall, Brenda Eleanor	Wilkinsburg
Marshall, Virginia Gilmour	Wilkinsburg
Martin, Ruth Osbourne	Pittsburgh
Neel, Frances Folsom	Dravosburg
Peck, Margaret Lulu	Concordia, Kan.
Pepperday, Ruth Madeline	Latrobe
Porter, Louise Maria	McKeesport
Roenigk, Elizabeth Jeanette	Pittsburgh
Roenigk, Jane Mevey	Pittsburgh
Rollings, Jean McKelvy	Crafton
Rollings, Maud Dagmau	Crafton
Rothrock, Mary Helen	Reedsville
Sands, Martha Josephine	Pittsburgh
Sargent, Anna Valeria	Whittier, Cal.
Sharp, Daisy Cochrane	Pittsburgh
Smith, Annie Luella	Pittsburgh
Taylor, Agnes Isabel	Edgewood
Teeters, Helen Elizabeth	Monongahela
Vogley, Louise Barr	Pittsburgh
Wehling, Elsie Dean	Bellevue
Weiss, Marie Louise	Pittsburgh
Wells, Helen	Edgewood









16.3
1908

Courses in Social Service

Principles and Methods .

OFFERED BY THE

Pennsylvania College for Women

PITTSBURGH

Session opens September 15, 1908.

THE attention of young women interested in the problems of modern society is called to the purpose and program of these courses, especially those who would do social work in any form, for much or little time, as paid officials or volunteers.

COURSES IN SOCIAL SERVICE

Purpose The purpose of these courses is to give opportunity for the study, by practical methods, of charitable, corrective, neighborhood, church and kindred forms of social work, particularly for young women who would prepare themselves for service in institutions and agencies, whether under private management or public administration, to serve either as paid officials or volunteers. The courses aim to consider the fundamental principles of sociology and the social problems of common interest and to give a broad outlook over this field of work. They aim to combine theoretical study with practice as the best preparation for intelligent and efficient service.

Time The course will begin with the opening of the college year, September 15, 1908. The year's work will be divided into two terms or semesters, corresponding to the college semesters; the first semester extends from September 15, 1908, to February 1, 1909; the second semester begins February 1, 1909, and extends to June 8, 1909. The regular college vacations of two weeks at Christmas and one week in April will be granted to students in these courses.

Place The headquarters for all the work will be at the Pennsylvania College for Women. The theoretical courses will be given in the college rooms and the practical training at the co-operating institutions or agencies under the immediate direction of those in charge.

Admission Applicants for admission must be eighteen years of age. They must have High School diploma or its equivalent, or experience in some form of social work; in special cases they may substitute for either of these requirements some definite indication that they are likely to take up the work with profit. Special arrangements may also be made for women who have already done social work and who wish particular courses in either theory or practice.

Satisfactory references are required to show that the applicant has the character and the purpose necessary to success in these lines of work; a personal interview with the President may be demanded of applicants.

**Co-operating
Institutions
and
Agencies** Only in a large city where many lines of social work are being actively carried on is the training in these courses possible. Pittsburgh is alive on these subjects and is gathering experts from all parts of the country; many institutions and agencies are ready to co-operate at once in giving to young women opportunity for observation and practice. The demand for good social workers throughout the country is to-day greater than the supply. Use of such rare opportunities as these courses offer in Pittsburgh is of exceptional value in preparation for social service of any kind.

Among the institutions and agencies co-operating in these courses are:

Carnegie Home Library Clubs, of the Children's Department, Carnegie Library.

Juvenile Court.

Kingsley House.

Pittsburgh Playground Association.

Young Women's Christian Association.

Many experts in social work in Pittsburgh have offered individual co-operation.

The Work Two courses will be offered each of which will lead to a special certificate; a one-year course and a two-year course. In both these courses, theory and practice are combined, but the one-year course has for the practical work observation in carefully selected institutions in different lines to enlarge the student's knowledge and to enable her to decide intelligently which line of work is likely to prove her greatest permanent interest. The second year is professional or technical with definite practice work in the field chosen.

Courses in Connection with Regular College Course The courses in theory and observation taken in the one-year course in Social Service may be elected by a regular college student during the first three years in place of other electives; the second year of the two-year course may be elected by a regular student during the fourth year with the practice work amounting to six hours weekly, the equivalent of two semester classroom hours, in place of any other two-hour elective and may lead to the degree of Bachelor of Arts. This enables a student to have a regular college course and be well informed on social work as carried on to-day or be fitted for paid work.

Instruction Students in the Social Service courses will receive instruction from the college faculty in allied departments such as Bible, Ethics, Psychology, Education, Sociology and English, as well as by special workers. Lectures will be given and social problems presented by persons of rare experience in their lines of work.

Price The regular college tuition fee will be charged for the Courses in Social Service, one hundred and twenty-five dollars a year, payable in September and in February. The college dormitory will be open to such students at regular rates.

WE cordially invite all who are interested in this subject to correspond with us for further information. Letters may be addressed to the President, Rev. H. D. Lindsay, D. D., or to the Dean, Miss Cora Helen Coolidge.



1908-1909

Pennsylvania College for Women

Pittsburgh



1908-1909

Pennsylvania College for Women

Pittsburgh

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1908

September							October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
...	...	1	2	3	4	5	...	...	...	...	1	2	3	1	2	3	4	5	6	7	...	...	1	2	3	4	5
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
27	28	29	30	...	...	...	25	26	27	28	29	30	31	29	30	...	...	...	...	...	27	28	29	30	31	...	...
...

1909

January							February							March							April						
...	...	...	...	...	1	2	...	1	2	3	4	5	6	...	1	2	3	4	5	6	...	...	...	...	1	2	3
3	4	5	6	7	8	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13	4	5	6	7	8	9	10
10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20	11	12	13	14	15	16	17
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27	18	19	20	21	22	23	24
24	25	26	27	28	29	30	28	...	...	...	...	...	...	28	29	30	31	...	...	...	25	26	27	28	29	30	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

May							June							July							August						
...	...	...	...	...	...	1	...	...	1	2	3	4	5	...	...	...	...	1	2	3	1	2	3	4	5	6	7
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
23	24	25	26	27	28	29	27	28	29	30	25	26	27	28	29	30	31	29	30	31
30	31

September							October							November							December						
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5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
26	27	28	29	30	...	...	24	25	26	27	28	29	30	28	29	30	...	...	...	...	26	27	28	29	30	31	...
...	...	...	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

1910

January							February							March							April						
...	...	...	...	...	...	1	...	...	...	1	2	3	4	5	...	...	...	...	...	1	2	...	...	...	...	1	2
2	3	4	5	6	7	8	6	7	8	9	10	11	12	6	7	8	9	10	11	12	3	4	5	6	7	8	9
9	10	11	12	13	14	15	13	14	15	16	17	18	19	13	14	15	16	17	18	19	10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26	20	21	22	23	24	25	26	17	18	19	20	21	22	23
23	24	25	26	27	28	29	27	28	...	...	...	...	...	27	28	29	30	31	...	...	24	25	26	27	28	29	30
30	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

May							June							July							August						
1	2	3	4	5	6	7	...	...	...	1	2	3	4	...	...	...	...	...	1	2	...	1	2	3	4	5	6
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
29	30	31	...	...	...	...	26	27	28	29	30	...	...	24	25	26	27	28	29	30	28	29	30	31	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	...	...

CALENDAR

1908

- 15 September, Tuesday Entrance Examinations
- 15 September, Tuesday First Semester begins—enrollment
- 16 September, Wednesday Recitations begin
- 26 November, Thursday Thanksgiving Day
- 18 December, Friday Christmas Vacation Begins

1909

- 4 January, Monday, 6 P.M. College opens
- 25 January, Monday Mid-year Examinations begin
- 1 February, Monday Second Semester begins
- 3 February, Thursday Day of Prayer for Colleges
- 2 April, Friday. Spring Vacation begins
- 12 April, Monday, 6 P.M. College opens
- 15 May, Saturday May Day Fete
- 31 May, Monday Final Examinations begin
- 4 June, Friday, 3 P.M. Alumnæ Meeting
- 5 June, Saturday, 3 P.M. Class Day
- 6 June, Sunday, 11 A.M. Baccalaureate Sermon
Third Presbyterian Church.
- 7 June, Monday, 8 P.M. Commencement and President's Reception
The College.

- 21 September, Tuesday Entrance Examinations
- 21 September, Tuesday First Semester begins—enrollment
- 22 September, Wednesday Recitations begin
- 25 November, Thursday Thanksgiving Day
- 17 December, Friday Christmas Vacation begins

1910

- 2 January, Monday, 6 P.M. College opens
- 24 January, Monday Mid-year Examinations begin
- 31 January, Monday Second Semester begins
- 1 April, Friday Spring Vacation begins
- 11 April, Monday, 6 P.M. College opens
- 21 May, Saturday May Day Fete
- 14 June, Monday, 8 P.M. Commencement
The College.

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HISTORICAL STATEMENT

PENNSYLVANIA COLLEGE FOR WOMEN was founded to supply the need in Western Pennsylvania of an institution of higher learning, organized and maintained under distinctively Christian influences. The East End of Pittsburgh was chosen as the location best suited for such a centre of liberal education, and a campus of about eleven acres was secured upon a hill crest in immediate proximity to Fifth Avenue, and between the rapidly growing residence districts of East Liberty and Shadyside. The fine, old family residence already standing upon the property was remodeled and enlarged to meet the requirements of the new school, and at a later time received the name Berry Hall in memory of its former owner. The founding of the College was made possible by the generous gifts and the active coöperation of many interested friends; and its charter, granted in December, 1869, authorized the conferring of degrees such as are "usually granted and conferred in other colleges of the United States of America," to students who should complete the offered courses of instruction in the liberal arts and sciences. The first class to be graduated comprised six students, who received their degrees in 1873.

Dilworth Hall, the second of the college buildings in order of erection, was named for Mr. Joseph Dilworth, the largest contributor toward its cost and a staunch friend and supporter of the institution. This structure was completed and dedicated in 1888. The Gymnasium was built in 1892,

and connected with a Music Hall in 1897. A new residence hall is in process of construction, and will be ready for use at the opening of the college year, September, 1909.

ORGANIZATION AND AIMS

The entrance requirements of Pennsylvania College for Women are those of the eastern colleges. Its courses of study follow closely the lines of modern collegiate instruction. It is the aim of the College authorities, as it was the intention of its founders, to furnish to students from the populous region in which it stands such advantages and facilities as are enjoyed in the best institutions of learning, opportunities for liberal culture, and the maintenance of high ideals.

LOCATION

The College is situated in the East End of Pittsburgh, in the center of the choicest residence section of the city. The campus is a finely shaded tract of land embracing a hill top on which the buildings stand. The plot owned by the College is part of one many times as large, containing the homes of a few families of wealth. The entrance to this tract is by a private road, so that the College is practically located in a large private park, thus securing abundance of space and air, wide view, and fine opportunities for outdoor games, combined with a delightful and wholesome seclusion not easy to command in a great city.

Not least among the benefits conferred upon the College by its position in the heart of Pittsburgh is its nearness to the Carnegie Institute. Here are found a splendid library, containing 250,000 volumes; a museum, rich in material for the study of zoology, paleontology and ethnography; an art gallery, which maintains a valuable permanent collection of paintings, and exhibits each year work of the best living artists in Europe and America; halls of architecture and sculpture, which make possible at home the acquirement of an intellectual training obtainable under ordinary circumstances only by means of extensive travel in foreign lands.

Any of the lines of electric cars running out Fifth Avenue from the downtown district will carry passengers very near the campus entrances on Murray Hill Avenue and on Woodland Road; and cabs may be taken at the railway stations which will convey travelers to the College. Baggage entering the city by the Pennsylvania lines should be checked to the East Liberty Station.

BUILDINGS

The main buildings of the College are so connected as to be practically one, no exposure to the weather being involved in passing from one to another. They are so disposed as to receive the sunshine on all sides in the course of the day; they are heated by steam and lighted with gas. Berry Hall is four stories in height. On its lower floors are found the library, drawing rooms, class rooms, and the offices of the President and the Dean; it also contains living rooms for faculty members and resident students. Music Hall has a spacious Gymnasium on the first floor, and on the second music studios and practice rooms. Dilworth Hall is devoted to academic uses, supplying the Assembly Hall, lecture rooms and laboratories. The new residence hall will be a four-story building, containing a large reception hall, parlors, dining and service rooms, an infirmary, and living accommodations for about sixty students. It is constructed after the most approved plans for college dormitories, and will be a commodious and attractive home.

LIBRARY

The College Library, housed in Berry Hall, contains thirty-five hundred volumes. Students have access to its shelves from 8.15 A. M. to 9.30 P. M., daily. The collection is classified according to the Dewey system, and is provided with a card catalogue. A thorough reorganization has augmented the working value of the books already on the shelves, and a recent appropriation of funds has enlarged the departmental collections. Through the courtesy of the authorities of The Carnegie Library of Pittsburgh, a Loan

Department for students has been established at the College, which permits the use upon an extensive scale of outside readings in connection with all branches of assigned work.

READING ROOM

Adjacent to the Library is the well-lighted and attractive reading room, supplied with daily and weekly newspapers, the standard monthly magazines and some quarterly reviews.

LABORATORIES

The Science Department is located on the third floor of Dilworth Hall, and is provided with a lecture room and with chemical and biological laboratories, supplied with all modern apparatus necessary for the pursuit of the courses offered. The chemical laboratory is equipped with accurate chemical balances, boiling and freezing point apparatus and other facilities for careful quantitative work. Connected with the chemical laboratory is a stock room situated in the basement of Dilworth Hall, from which duty free apparatus is lent to the student for use in the laboratory. This apparatus remains the property of the College and may be returned at any time; but if broken or used up the student is required to replace it. While no attempt is made to maintain a museum, students have access to a very good collection of minerals, specimens of the rarer elements and their compounds, and representatives of the less readily prepared organic substances. Collections of mounted skeletons illustrating the comparative osteology of typical vertebrates of preserved and mounted zoological forms, and of charts and microscopical mounts supplement the laboratory equipment in Biology.

GYMNASIUM

The Gymnasium is a large, well-ventilated building, equipped with chest weights, rowing machines, balance swings and other apparatus. Dressing rooms and locker rooms adjoin the main hall, and new shower baths have been added.

The Department of Physical Training offers to students

in the College opportunities for developing bodily strength and grace through systematic and vigorous exercise. Special attention is given to corrective exercises and to aesthetic dancing. The Swedish system of gymnastics is taught, and the lessons are so graded and adapted to the strength of the individual that they are healthful to the most delicate constitution. Two hours of work are required of Freshmen, unless excused upon presentation of written request of parent or guardian. Advanced courses are elective; but students are advised to continue the work for its resulting physical benefit, as well as for the enjoyment derived from it.

Each student undergoes physical examination by the Director upon entrance, and again at the end of the semester. The regulation costume is a suit of black serge with white vest.

REQUIREMENTS OF ADMISSION

Registration blanks are provided by the College for the use of applicants for admission, and will be forwarded upon request. These blanks, properly filled and signed, should be in the hands of the College authorities by September 16th. A registration fee of five dollars will be charged for holding a room for a resident student. This will be credited on the first payment, or refunded if notification of withdrawal is sent before August 25th.

All applicants for admission, whether to the Freshman class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character. Those who come from other colleges must also bring certificates of honorable dismissal. Admission to the Freshman class may be gained either by examination or by presentation of certificate from an approved high school or academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION

Applicants for admission may be examined either during the week preceding commencement, or at the opening of the College year.

ADMISSION ON CERTIFICATE

Students from such high schools and academies as may be approved by the Faculty are admitted to the Freshman class without examination on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the President during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly, equivalents, stated in detail, must be offered. Students received on certificate are regarded as on probation during the first semester.

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing who come from other colleges must present satisfactory college certificates for all prescribed studies below the desired grade, and for enough of elective work to make up their full quota of hours. Students who do not come from other colleges, if they desire advanced credit must pass examinations in subjects offered as college work. Preparatory courses are not accepted as equivalent to collegiate work without examination. No student will be accepted to candidacy for the baccalaureate degree after the beginning of the senior year.

ADMISSION AS SPECIAL STUDENTS

Students who have not satisfied the matriculation requirements may be admitted to special courses for which they are adequately prepared; they must, however, satisfy the College authorities as to their preparation and ability to carry the desired work. Students entering the College from Preparatory or High Schools can best meet this requirement by the presentation of certificates for antecedent courses, or by offering themselves for examination. The

College welcomes as special students persons of mature age and earnest purpose, and will provide for their admission to suitable courses. Students must consult the Dean concerning courses of study, and their work will be arranged by her in consultation with the heads of departments. Certificates will be given for completed work of this kind upon application. Credits for these courses cannot count toward a degree unless the student shall at some time subsequent to her entrance meet matriculation requirements and make up the necessary number of hours.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS

I. LANGUAGES (Other than English)

1. **Latin.** (These requirements are based upon the recommendations of the American Philological Association).

a. I. **LATIN GRAMMAR.** The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

2. **LATIN COMPOSITION.** Translation into Latin of detached sentences and easy continuous prose based upon Cæsar and Cicero.

b. **CÆSAR.** Any four books of the *Gallic War*, preferably the first four.

c. **CICERO.** Any seven orations from the following list, but preferably the first six mentioned, Manilian Law being accepted as the equivalent of two orations; the four orations against Cataline, Archias, Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.

d. VERGIL. The first six books of the *Æneid*.

Pronunciation after the Roman method is preferred. Equivalents will be accepted, but verse will not be considered a substitute for prose, nor will anything be accepted for translation of English into Latin.

If physics be offered, a three years' course in one of the following languages, and if physics be not offered, an additional course of at least one year in a second is required.

2. French.

Minimum Requirement (third language).

- a. Essentials of French grammar. Thorough knowledge of the four conjugations, irregular verbs, elementary use of syntax and word order.
- b. The ability to translate at sight easy French into idiomatic English. This can be acquired by reading not less than two hundred pages of graduated texts, such as Halévy's *L'Abbé Constantin*, Lamartine's *Graziella*, Le Brête's *Mon oncle et mon curé*.
- c. Ability to translate at sight easy English into correct French. This can be acquired by the study of any good grammar and composition books, such as *Françoise Composition*, first and second books. Careful drill in correct pronunciation, writing from dictation, memorizing selected prose and poetry.

At least one year, five recitations a week, should be spent on this requirement.

Maximum Requirement (second language).

- a. Thorough knowledge of grammar; word formation, syntax, word order. Thorough knowledge of irregular verbs.
- b. Ability to translate at sight ordinary modern and classical prose and poetry into good English. This

may be acquired by reading in addition to the amount specified in the minimum requirement, at least five hundred pages of advanced French, such as George Sand's *La Mare au diable*, Dumas' *La Tulipe noire*, Victor Hugo's *La Chute* and *Les Travailleurs de la mer*, Daudet's *Lettres de mon moulin*, Madame de Sévigné's *Lettres*.

- c. Ability to translate ordinary English into French. This may be obtained by constant oral and written exercises and the use of Chardenal's Advanced French Prose Composition.
- d. Ability to follow recitation conducted in French, to answer questions asked in that language and give brief résumés in French of the contents of texts read. Frequent practice in writing from dictation and memorizing of poems such as La Fontaine's *Fables* and select prose passages are recommended.

Three years, five recitations a week, should be spent on this requirement.

3. German.

Minimum Requirement (third language).

- a. Essentials of German grammar. This includes the declension of nouns, adjectives and pronouns, conjugation of verbs, the use of prepositions and conjunctions, elementary rules of syntax and word order.
- b. Ability to translate at sight easy German into correct English. This may be acquired by the reading of not less than two hundred pages of graduated texts such as found in any good reader, or in such books as Grimm's *Märchen*, Heyse's *L'Arrabbiata*, Storm's *Immensee*, Von Hillern's *Höher als die Kirche*, Gerstäcker's *Germelshausen*, Seidel's *Leberecht Hühnchen*.

- c. Ability to translate at sight easy English sentences into German. This result may be obtained by the study of any good grammar, translation of paraphrases of the text and the use of an easy composition book, such as Bernhardt's *Prose Composition*. Careful drill in pronunciation, intelligent reading of the German text, writing from dictation, memorizing of selected passages, and the use of simple German phrases in the classroom are recommended.

At least one year, five recitations a week, should be spent on this requirement.

Maximum Requirement (second language).

- a. Thorough knowledge of Grammar, including accidence, word formation, syntax, word order, the uses of the modal auxiliaries, and of the subjunctive and infinitive moods.
- b. Ability to translate at sight ordinary modern and classical German prose or poetry into good English. This may be acquired by reading in addition to the amount specified in the minimum requirement, at least five hundred pages of advanced German. Graduated texts may be selected from such works as Jensen's *Die braune Erica*; Hauff's *Das Kalte Herz*; Baumbach's *Der Schwiegersohn*; Riehl's *Burg Niedeck* and *Fluch der Schönheit*; Heine's *Die Harzreise*; supplemented by selected texts from the classical writers such as Schiller's *Wilhelm Tell*, *Jungfrau von Orleans* and *Balladen*; Goethe's *Hermann und Dorothea*, *Iphigenia* and *Dichtung und Wahrheit*; Lessing's *Minna von Barnhelm*; Freytag's *Aus dem Staat Freidrichs des Grossen*, and *Doktor Luther*.
- c. Ability to translate ordinary English into German. This result may be obtained by constant practice in oral and written reproductions, re-translation of paraphrases of texts and the use of a good text-

book of German Composition such as Jagemann's or Harris' German Prose.

- d. Ability to follow a recitation conducted in German, to answer questions asked in that language and to give brief résumés in German of the contents of the texts read. Frequent practice in writing from dictation and the memorizing of selected passages are recommended.

Three years, five recitations a week, should be spent on this requirement.

4. Greek. (These requirements are based upon the recommendations of the American Philological Association).

- a. 1. GREEK GRAMMAR. The topics for the examination in Greek Grammar are similar to those detailed under Latin grammar.
2. GREEK PROSE COMPOSITION, consisting principally of detached sentences to test the candidate's knowledge of grammatical construction.

The examination in grammar and in prose composition will be based on the first two books of Xenophon's *Anabasis*.

- b. XENOPHON. The first four books of the *Anabasis*.
- c. HOMER. The first three books of the *Iliad* (omitting II, 494-end).

II. ENGLISH

The requirements in English are those recommended by the Conference on Uniform Entrance Requirements in English for Middle States and Maryland.

NOTE: No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

a. READING. A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to

answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. The candidate is expected to read intelligently all the books prescribed. She is not expected to know them minutely, but to have fresh in mind their most important parts. *In every case knowledge of the book will be regarded as less important than the ability to write good English.* In preparation for this part of the requirements, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:

In 1909, 1910, 1911—Group 1 (two to be selected): Shakespeare's *As You Like It*, *Henry V*, *Julius Caesar*, *Merchant of Venice*, *Twelfth Night*.

Group 2 (one to be selected): Bacon's *Essays*; Bunyan's *The Pilgrim's Progress*, Part I; Addison's *Sir Roger de Coverley*; Franklin's *Autobiography*.

Group 3 (one to be selected): Chaucer's *Prologue*; Spenser's *Faerie Queene* (selections); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Cowper and Burns.

Group 4 (two to be selected): Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe* and *Quentin Durward*; Hawthorne's *House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dicken's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group 5 (two to be selected): Irving's *Sketch Book* (selections); Lamb's *Essays of Elia*; De Quincey's *Joan of*

Arc and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies*.

Group 6 (two to be selected): Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), with especial attention to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Lancelot and Elaine*, *The Passing of Arthur*, *Gareth and Lynette*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Hervé Riel*, *Pheidippides*.

b. STUDY AND PRACTICE. This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this examination will be:

In 1909, 1910, 1911—Shakespeare's *Macbeth*, Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

Attention is called to the following recommendations of the Conference on Uniform Entrance Requirements in English:

1. That English be studied throughout the elementary and secondary school courses, and, when possible, for at

least three periods a week during the four years of the high school course.

2. *That the prescribed books be regarded as a basis for such wider courses of English study as the schools may arrange for themselves.*

3. That where careful instruction in idiomatic English translation is not given, supplementary work to secure equivalent training in diction and in sentence structure be offered throughout the high school course.

4. *That a certain amount of outside reading, chiefly of poetry, fiction, biography and history, be encouraged throughout the entire school course.*

5. That definite instruction be given in the choice of words, in the structure of sentences and of paragraphs, and in the simple forms of narration, description, exposition and argument. Such instruction should begin early in the high school course.

6. That systematic training in speaking and writing English be given throughout the entire school course. That, in the high school, subjects for composition be taken partly from the prescribed books and partly from the student's own thought and experience.

7. That each of the books prescribed for study be taught with reference to:

- a. The language, including the meaning of words and sentences, the important qualities of style, and the important allusions.
- b. The plan of the work, *i. e.*, its structure and method.
- c. The place of the work in literary history, the circumstances of its production, and the life of its author.

8. That all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

III. MATHEMATICS

1. Algebra.

- a. The four fundamental operations for rational algebraic expressions. Factoring, determination of highest common factor and lowest common multiple by factoring. Fractions, including complex fractions, ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. Radicals, including the extraction of the square root of polynomials and of numbers. Exponents, including the fractional and negative. Quadratic equations, both numerical and literal. Simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations.
- b. Theory of Quadratics. Problems depending on quadratic equations. The binomial theorem for positive integral exponents. The formulas for the n th term and the sum of the terms of arithmetical and geometrical progressions, with applications.

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

2. Plane Geometry.

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. The solution of numerous, original exercises, including loci problems. Applications to the mensuration of lines and plane surfaces.

NOTE: The work in preparatory algebra should consist of an elementary course given the first year and a more advanced course given not earlier than the third year, after demonstrational geometry. This can be best accomplished by reviewing courses the equivalents of (1a) and (2) above, and by completing the equivalent of (1b) during the year preceding entrance to college.

IV. SCIENCE

Physics, Carhart and Chute, *Elements of Physical Science*, or equivalent. Laboratory work consisting of at least forty experiments taken from the manual must be shown by notebook certified by the instructor to be the original work of the student. As noted above, one year of a third language may be substituted for Physics.

V. HISTORY

1. Ancient History with special reference to Greek and Roman History, but including also a short introductory study of the Ancient East and extending to 800 A. D.

2. English History with due reference to social development and the growth of political institutions.

Students must present such supplementary evidence of the character of their preparation as notebooks, maps, and digests of collateral reading.

DEGREES

The degree of Bachelor of Arts is given to students who have satisfactorily completed courses amounting in all to fifty-six hours of college work.

The degree of Master of Arts is conferred upon Bachelors who hold the degree of Arts from this college or from some other college of equal standing, and who have satisfactorily completed one full year of graduate work under the direction of the Faculty. In exceptional cases the work may be done *in absentia*, an examination of the candidate being required as a test of fitness to receive the degree. A detailed statement of the conditions of graduate study may be found on page 29.

REGULATION OF STUDIES

The unit of time used in measuring the value of work is the year hour,—that is, one full hour of class work weekly during a college year.

The minimum requirement for a degree is fifty-six hours; for each year of the college course the requirement is fourteen hours weekly. Two deviations from this rule are provided for in the scheme of work.

1. By special permission of the Faculty, the allotment for a year may be increased to sixteen hours for students capable of maintaining a uniformly high grade of scholarship, and anxious to prepare for advanced courses in a chosen department.

2. At the beginning of the Senior year, a student who has carried her earlier years of work with distinction may make application for a reduction of the number of required hours, in order that she may do intensive work in a department where she has already shown aptitude. With the consent of the Dean and the Head of the Department in which the special work is to be done, she may undertake a schedule of twelve hours.

The total requirement for the degree in Arts is made up as follows:

Latin	}	six hours
or		
French		
or		
German		
or		
Greek	}	
English		seven hours
Mathematics		three hours
Science		three hours
Philosophy		four hours
History		three hours
Biblical Literature		four hours
Elective work		twenty-six hours

Each hour of class work is supposed to require two hours of preparation.

ELECTIVE WORK

In the Freshman year, Mathematics, Rhetoric, and Bible are prescribed studies, amounting to six hours of work. Eight hours must be elected from a list of nine subjects under the departments of Language, Science, English, Music, History and Expression. In the Sophomore year five hours of work are to be elected; in the Junior year, five and one-half hours; in the Senior year eleven and one-half hours.

All elections are subject to the approval of the Faculty. Not more than six hours may be elected in a single department in any semester. The Faculty retains the option of forming a class in any elective course when fewer than six students apply for registration.

ATTENDANCE UPON CLASS EXERCISES

The grade of work done by a student is necessarily affected by irregularity of attendance upon lectures or recitations. Special examinations may be required if the number of avoidable absences for any semester shall exceed the limits of moderation.

Opportunities are occasionally offered for attendance upon lectures given in the city which are connected in subject with courses offered by the College. Upon notification by the instructor concerned, students will be expected to attend such lectures, and may have them counted as part of the required work of the courses to which they are allied.

EXAMINATIONS

General examinations are held in all subjects at Mid-year and at the close of the college year. Partial examinations may be given at the discretion of the instructor. Examinations taken for the removal of conditions, or for the securing of credit for private work are scheduled for the opening days of a semester, but may be appointed for other times under special conditions.

Students failing to present themselves for examinations in course may secure private examinations by permission of

the Dean and upon payment of a fee of two dollars. If several examinations are to be taken under one permit, a fee of three dollars shall cover the list.

CONDITIONS

A student whose work in any course is unsatisfactory will be conditioned in this subject at the end of the semester. This condition must be removed by the doing of an assigned amount of supplementary work within time-limits set by the instructor, and if considered necessary, under the direction of a tutor. If the condition is not removed at the expiration of the time-limit, the work of the course will be considered a failure. Failure in a required course must be made good by the repetition of the course at the time when it is next regularly given.

Entrance conditions are ordinarily to be made good within the first year of college attendance. No student can retain her entrance classification if she continues to carry conditions exceeding five year hours.

REPORTS

Reports of the scholarship of students are sent out at the end of a semester to any parents or guardians who may request such statements. A student may learn her standing in classes by making application to the Dean at the end of a semester.

GRADUATE WORK

The graduate work of the College is in the hands of a special committee of the Faculty, which receives applications for registration, and advises accepted students as to the proper courses to be undertaken. Graduates of the Pennsylvania College for Women, or of other institutions in which the requirements for a baccalaureate degree are substantially equivalent, may, upon recommendation of the Committee of Graduate Study, enter upon work for the degree of Master of Arts.

Advanced courses appropriate for graduate study leading to the higher degree are described in the outlines of

courses of various departments. Some courses are open to both graduate and undergraduate students; graduates pursuing these courses must maintain a standard of work sufficiently high to satisfy the Committee of Graduate Study in order to receive graduate credit.

The amount of work required of a candidate for the degree of Master of Arts is equivalent to fourteen hour courses pursued during a period of residence not shorter than one year. Candidates for this degree are required to pass examinations in one major and at least one minor subject, which have been determined upon not later than October 15th of the year in which the examinations will be taken. While the student is advised to choose one minor subject, she may, with the approval of her examining committee, select a second minor in the same department as the major. The major and one minor must be in separate departments in order that the heads of at least two departments in which she pursues courses shall conduct the examinations; but the subjects should be so related as to indicate a definite acquisition in scholarship on the part of the student. A thesis on the major subject, due not later than May 1st, will be required to complete the work for the Master's degree.

A graduate of the Pennsylvania College for Women who has completed one full year of continuous graduate study in an American University of high standing may make application to the Graduate Committee, or to the Committee on Scholarship and Standing of the College, for the degree of Master of Arts and this degree may be granted upon condition that she comply with the following requirements:

1. She shall present the University Registrar's certificate of credit for graduate work completed, and a letter from the Chairman of her Examining Committee of the University certifying that her scholarship and amount of work successfully finished entitle her to the University examination for the Master's degree, and that he approves her application for such a degree from the Pennsylvania College for Women.

2. She shall submit to the Graduate Committee of Pennsylvania College for Women a satisfactory thesis based upon her graduate study.

3. She shall present herself for examination for the Master's degree at the time and place specified by the Graduate Committee.

Tuition and laboratory fees paid by graduate students are the same as those paid by undergraduates. The charge for a diploma is ten dollars.

CURRICULUM SCHEDULE

Freshman Year	Sophomore Year	Junior Year	Senior Year
Mathematics Course I 3 hours	English Literature Course IV 2 hours	English Course VI 2 hours	Philosophy Course III 1½ hours
Rhetoric Course I 2 hours	Science or Modern Language 3 hours	Science or Modern Language 3 hours	Bible Course IV 1 hour
Bible Course I 1 hour	History Courses I and II 3 hours	Philosophy Courses I and II 2½ hours	Elective 11½ hours
8 hours to be chosen from the following list Greek 3 hours Latin 3 hours French 3 hours German 3 hours Science 3 hours English 2 hours Music 2 hours History 1 hour Expression 1 hour	Bible Course II 1 hour	Bible Course III 1 hour	
	Elective 5 hours	Elective 5½ hours	
14 hours	14 hours	14 hours	14 hours

COURSES OF INSTRUCTION

PHILOSOPHY

DR. LINDSAY, MR. MARTIN

1. **PSYCHOLOGY.** A study of the laws and the phenomena of the mind.

Dr. Lindsay.

Required of juniors. 3 hours, first semester.

2. **LOGIC.** A study of the principles of inductive and deductive reasoning, and of the relation of logical theory to scientific and philosophic thought.

Mr. Martin.

Required of juniors. 2 hours, second semester.

3. **ETHICS.** The history of ethical philosophy, and a study of the fundamental principles of morality.

Required of seniors. 3 hours, first semester.

Dr. Lindsay.

4. **HISTORY OF PHILOSOPHY.** An introductory outline of Greek philosophy, followed by lectures on the development of modern philosophy.

Dr. Lindsay.

Elective, open to all who have taken the required work in Psychology. 2 hours, second semester.

5. **CHRISTIAN EVIDENCES.** An outline of the grounds upon which the Christian system rests.

Dr. Lindsay.

Elective, open to sophomores, juniors and seniors. 2 hours, first semester.

SOCIOLOGY AND EDUCATION

MISS COOLIDGE, MR. STUART, MISS LOGAN

1. **SOCIOLOGY.** A comprehensive view of the structure and life of society, both in its normal and its pathological aspects. Topics in outline are assigned for individual investigation, and the results are brought together and discussed in the class room.

Mr. Stuart.

Elective, open to juniors and seniors. 2 hours, second semester.

2. THE PRINCIPLES OF ECONOMICS, AND SOME ECONOMIC PROBLEMS. Mr. Stuart.

Elective, open to juniors and seniors. 2 hours, first semester.

3. SOCIAL SERVICE.

- a. Theory combined with practical work, chiefly in the line of observation in carefully selected institutions. Lectures and discussions. Miss Logan.

Elective. 2 hours, through the year.

- b. Theory combined with professional training by means of definite practice in some chosen line.

Miss Logan.

Elective, open to those who have had course a. 2 hours, through the year.

4. EDUCATION.

- a. History of Education. The development of educational ideals, material and methods, with special attention to the study of the great educational reformers.

- b. Contemporary Educational Principles and Problems. Class reports and discussions, lectures, papers.

Miss Coolidge.

Elective. 2 hours, second semester.

HISTORY

MRS. ARMSTRONG, MISS BROWNSON

I. THE MEDIÆVAL PERIOD. The history of Europe from the fourth to the fifteenth century. The object of this course is to give a general survey of the political, social and ecclesiastical history of Europe from Constantine to the Treaty of Verdun. Particular attention is paid to the dissolution of the Roman Empire in the West; the invasions of the Germans and the states founded by them; the development of the Church; feudalism.

Mrs. Armstrong.

Required of sophomores. 3 hours, first semester.

2. THE MEDIÆVAL PERIOD (continued). The history of Europe from the Feudal Age to the Renaissance. In this Course particular attention is given to the dominating influence of the Church; the beginnings of national growth; the formation of the European States; the Holy Roman Empire; the Crusades.

Mrs. Armstrong.

Required of sophomores. 3 hours, second semester.

3. THE MODERN PERIOD. A study of the history of Europe from the beginning of the Renaissance to the Congress of Vienna, 1815. Special emphasis is laid upon the political and religious development of Europe during the Reformation, the rise of Prussia, the French Revolution and the Napoleonic Wars.

Miss Brownson.

Elective, open to students who have taken Courses 1 and 2. 3 hours, through the year.

4. MODERN EUROPEAN SOCIAL HISTORY. Studies in local institutions and organizations, the relations of classes, manners and customs, social development, trade relations of European States.

Miss Brownson.

Open to students taking Course 3. One section to be elected.

a. England under the Tudors and Stuarts.

2 hours, one semester.

b. Russia under the Romanoffs to Alexander I.

2 hours, one semester.

c. France under the later Valois and the Bourbons.

2 hours, one semester.

5. ENGLISH HISTORY. A study of the mediæval period, discussing the growth of England; the various settlements and conquests; the organization of the government; the origin and development of the constitution.

Mrs. Armstrong.

Elective, recommended to sophomores wishing to specialize in English Literature, but open to all students. 2 hours, first semester.

6. ENGLISH HISTORY. A continuation of course 5, covering the modern period of English History, and including the reformation of the church; the establishment of parliamentary control, and the development of cabinet government.

Mrs. Armstrong.

Elective, open to those who have completed Course 5. 2 hours, second semester.

7. EUROPE IN THE NINETEENTH CENTURY. A study of the political history of Europe from 1815 to 1900.

Miss Brownson.

Elective, open to students who have completed Course 3. 3 hours, through the year.

8. MODERN INTERNATIONAL RELATIONS. Studies in present day political problems.

Miss Brownson.

Open to students taking Course 7. One section to be elected.

a. The United States as a World Power.

2 hours, one semester.

b. The Latin-American Republics.

2 hours, one semester.

c. Europe in Africa.

2 hours, one semester.

9. AMERICAN HISTORY. An outline of the political history of the United States, from the Revolutionary era to the present day. Introductory to the study of constitutional history.

Miss Brownson.

Elective, open to freshmen. 1 hour, through the year.

10. CONTEMPORARY HISTORY. A study of periodical literature, with topical reports by students. Papers upon special themes.

Miss Brownson.

Elective, open to all students. 1 hour, through the year.

GREEK

MISS GREEN

1. GRAMMAR AND PROSE COMPOSITION, *First Greek Book* (White); XENOPHON, *Anabasis* (Goodwin and White).

Elective. 3 hours, through the year.

2. XENOPHON, *Anabasis* continued through Book IV: HOMER, *Iliad* (Seymour), Books, I, II and III. *Greek Prose Composition* (Pearson).

Elective. 3 hours, through the year.

Courses 1 and 2 are open to students not offering Greek in college preparation. Course 2 is open to students entering college with one year of Greek as third language.

3. PLATO. *Apology, Crito*; XENOPHON, *Memorabilia*. Greek Prose Composition.

Elective. 3 hours, first semester.

4. HOMER, *Odyssey*, Selections from Books I-XII. The epic will be studied as a whole from the literary standpoint; Homeric life and antiquities will be studied in detail. Greek Prose Composition.

Elective. 3 hours, second semester.

5. DEMOSTHENES, *Oration on the Crown*. Lectures and collateral reading on the Attic orators, legislative bodies and law practice in Athens.

Elective. 3 hours, first semester.

6. AESCHYLUS, *Prometheus Bound* (Mather); SOPHOCLES, *Ædipus Tyrannus* (Earle); EURIPIDES, *Medea*. Private reading on the archæology of the drama (actors, costumes, buildings, etc.).

Elective. 3 hours, second semester.

7. HERODOTUS, Books VI and VII, and a study of the Persian Wars.

Elective. 2 hours, one semester.

8. THUCYDIDES, and a study of the Peloponnesian War.

Elective. 2 hours, one semester.

9. HISTORY OF GREEK LITERATURE. Lectures with private reading assigned in Greek and English.

Elective, open to juniors and seniors. 2 hours, through the year.

10. PLATO, *Phaedo*.

Elective, open to juniors and seniors. 2 hours, one semester.

11. ARISTOPHANES, *Frogs or Clouds*. Selections from the Lyric Poets.

Elective, open to juniors and seniors. 2 hours, one semester.

12. ADVANCED GREEK PROSE. Constructive study of Greek syntax and style.

Elective, advised for those intending to teach Greek. 2 hours, one semester.

13. INTRODUCTION TO GREEK ARCHÆOLOGY. An outline course in the study of Greek pottery, architecture, sculpture and minor antiquities, illustrated as far as possible.

Elective. 2 hours, first semester.

LATIN

MISS GREEN

1. LIVY. Selections from Books I, XXI, XXII.

Required of freshmen. 3 hours, first semester.

2. HORACE, *Odes and Epodes*.

Required of freshmen. 3 hours, second semester.

3. LATIN PROSE COMPOSITION.

Elective, open to freshmen to supplement the work of the first semester. 1 hour, second semester.

4. MYTHOLOGY, based upon Ovid.

Elective, open to all students. 1 hour, second semester.

5. CICERO, *Letters*. Lectures and readings upon the topography of Ancient Rome.

Elective, open to students who have completed courses 1 and 2. Offered in 1909-10. 3 hours, first semester.

6. CICERO, *De Senectute* and *De Amicitia*.

Elective, open to students who have completed Courses 1 and 2. 3 hours, one semester.

7. TACITUS, *Annals*.

Elective, open to students who have completed Courses 1 and 2. 2 hours, one semester.

8. TACITUS, *Germania* and *Agricola*.

Elective, open to students who have completed Courses 1 and 2. 2 hours, one semester.

9. PLINY, *Letters*. Study of political and social conditions under the early empire.

Elective, open to students who have completed Courses 1 and 2. 2 hours, second semester.

10. HORACE, *Satires* and *Epistles*.

Elective, open to students who have completed Courses 1 and 2. 2 hours, first semester.

11. LATIN COMEDY. Selected plays of Plautus and Terence.

Elective, open to juniors and seniors. 3 hours, one semester.

12. HISTORY OF LATIN LITERATURE. Lectures with private reading assigned in Latin and English.

Elective, open to juniors and seniors. 2 hours, through the year. Offered in 1910-11.

13. ADVANCED PROSE COMPOSITION. Constructive study of Latin syntax and style.

Elective, advised for those intending to teach Latin. 2 hours, one semester.

GERMAN

MISS SKILTON

1. ELEMENTARY COURSE. Grammar, prose composition, reading of short stories and plays by modern writers, memorizing of poetry, conversation.

Open to students who presented no German at entrance. 3 hours, through the year.

Students who presented one year of German may enter this course in the second semester.

2. INTERMEDIATE COURSE. Reading of modern German prose, and of the simpler classical dramas; grammar, prose composition, conversation.

Open to students who presented two years of German, or who have taken Course 1. 3 hours, through the year.

3. COURSE IN GERMAN CLASSICS. Reading from the dramas and poems of Goethe, Schiller and Lessing. Lectures in the German language upon the classical period. Essays and oral reports upon assigned topics.

Open to students who presented three years of German, or who have taken Courses 1 and 2. 3 hours, through the year.

4. SUPPLEMENTARY COURSE. Required of Freshmen deficient in amount of time spent on requirements *a, b, c, d*, pp. 19-21 or elective for others.

1 hour, through the year.

5. OUTLINE HISTORY OF GERMAN LITERATURE. Study of the development of German Literature from the earliest times to the close of the eighteenth century. Lectures and recitations, supplemented by constant reference to the standard histories of literature and by reading of representative works.

The reading of the first semester includes the mediæval epics in modern German translation, accompanied by comparative study of the Wagnerian opera texts, the Minne-gesang, Meistergesang, Volkslied; that of the second semes-

ter, selected works from the writers of the eighteenth century.

Open to students who have taken Courses 1, 2, 3, or to graduate and advanced students who can read and speak German fluently. 3 hours, through the year.

6. THE GERMAN NOVEL. Study of the development of the German Novel with extensive reading of modern and current fiction. Lectures, essays, oral reports.

Open to advanced students or graduates who can read and speak German fluently. 2 hours, through the year.

7. THE GERMAN DRAMA. Study of the development of the German Drama with special reference to the nineteenth century. Rapid reading of representative works. Lectures, essays, oral reports.

Open to students who have taken Courses 3 and 4, or to graduates. 2 hours, through the year.

8. ADVANCED GERMAN PROSE AND SYNTAX. Selected passages from English authors translated into idiomatic German. Original themes upon assigned topics. Study of idioms, synonyms and syntax.

Open to students who have taken Courses 1 and 2, or their equivalents; especially recommended to those who expect to teach German. 1 hour, through the year.

9. GÖTTE'S FAUST. Study of Göthe's Faust, Parts I and II. Development of the Faust legend, and the genesis of Göthe's Faust. Methods of Faust interpretation.

Open to juniors and seniors of sufficient advancement. 3 hours, one semester.

10. HEINE AND THE ROMANTIC SCHOOL. Lectures upon the life and times of Heine, with readings from his works.

Open to students who have taken Courses 3 and 4. 2 hours, one semester.

11. GERMANIC PHILOLOGY.

a. Gothic.

Grammar. Ulfilas' translation of the Bible. Lec-

tures upon the development of the German language.

b. Middle High German.

Grammar. Selections from the Niebelungenlied, from Hartman von Aue, Wolfram von Eschenbach. Lectures.

Open to seniors and graduates. 2 hours, through the year.

12. LECTURES UPON THE HISTORY OF GERMAN LITERATURE. These lectures are given in English and are intended to give to students who are not specializing in German, a brief survey of the principal movements in German Literature.

Open to all students. 1 hour, through the year.

NOTE: With the exception of Course 12, German is the language of the classroom and is required in all recitations. A German Club will be formed for conversational practice if desired by a sufficient number of students.

FRENCH

MADAME de VALLAY

1. ELEMENTARY COURSE. Grammar, thorough drill on verbs; reading works of Colin, Labiche et Martin, Sandeau, About, Michelet; Fables de La Fontaine, committed to memory; dictation, composition, conversation.

Offered to freshmen who have presented no French at entrance. 3 hours, through the year.

2. INTERMEDIATE COURSE. Grammaire Littéraire. Lectures on the history of French literature of the eighteenth century accompanied by collateral reading of representative French authors. Drill in letter writing. English translated into idiomatic French, dictation, composition.

Open to students who have presented the minimum entrance requirements. 3 hours, through the year.

3. OUTLINE HISTORY OF FRENCH LITERATURE. Histoire de la Littérature Française. Lectures on the French literature of the seventeenth century. Collateral reading

from the leading authors of the time; Boileau, Corneille, La Fontaine, Molière, Descartes, Pascal. Composition, conversation.

Open to students who have had Course 2, or have presented maximum entrance requirements. 3 hours through the year.

4. THE PRECURSORS OF THE FRENCH ROMANTIC SCHOOL. Lectures on representative authors. Reading selections from Madame de Staël, Madame de Lafayette, Rousseau, Chateaubriand, Lamartine. Composition, conversation.

Open to students who have had Course 3 or its equivalent. 2 hours, through the year.

5. ORIGIN AND DEVELOPMENT OF THE FRENCH LANGUAGE. Lectures on the literature of the sixteenth century. Reading selections from representative authors. Composition, conversation.

Elective, open to students who have had Course 2 or its equivalent. 2 hours, through the year.

6. CLASSICAL TRAGEDIANS AND COMEDIANS. Lectures on Racine, Corneille, Molière with a critical study of their works. Composition, conversation.

Open to students who have had Course 3. 2 hours, through the year.

7. FRENCH LITERATURE OF THE NINETEENTH CENTURY. Lectures on representative authors. Reading works of Daudet, Victor Hugo, Rostand. Composition. Conversation.

Elective, open to students who have had Course 3 or its equivalent. 2 hours, through the year.

8. ADVANCED FRENCH PROSE. Selected English authors translated into idiomatic French. Thorough study of syntax, idioms and synonyms. Brunot: Grammaire des Grammaires. Composition, conversation.

Elective, open to students who have had Course 5 and recommended to those who wish to teach French. 1 hour, through the year.

9. THE FRENCH DRAMA OF THE NINETEENTH CENTURY, with brief résumé of its earlier development. Rapid reading course. Composition based upon works read. Topics assigned for reports. Conversation.

Elective, open to students who have had Course 3. 2 hours, through the year.

10. FRENCH EPICS. Lectures on La Chanson de Roland, La Henriade, La Légende des Siècles. Reading: The Epics.

Elective, open to students who have had Course 9. 2 hours, through the year.

11. CURRENT EVENTS. Discussion of political and literary questions of the day with supplementary reading of history, novels and magazine articles in relation to subjects. The course is strictly conversational.

Elective, offered to graduates and students who have had Courses 3, 8, or their equivalents. 1 hour, through the year.

ENGLISH LANGUAGE AND LITERATURE

MR. PUTNAM, MISS WILLSON, MISS COOLIDGE

1. MASTERPIECES. A study of the lives and productions of the great masters in English Literature. The aim is to increase the information and cultivate the appreciation of the general student. The course is illustrated by the short story, the lyric and the essay. Assigned readings, reports and discussions.

Required of freshmen. 2 hours, first semester.

2. SHAKESPEARE. A study of the language, poetry and characters in four plays of Shakespeare. *Merchant of Venice*, *King Lear*, and *Winter's Tale* will be studied in 1909-1910. The primary aim is to compel intimate knowledge of the idiom, poetry and character method of a limited number of plays. The course may be elected in successive years.

Open to freshmen and sophomores. 3 hours, second semester.

3. **ANGLO-SAXON.** An elementary course. Anglo-Saxon primer and reader. Translation of representative prose and poetry, and a study of the Anglo-Saxon grammar. Students intending to specialize in English Literature are urged to take this course.

Open to freshmen and sophomores. 2 hours, second semester.

4. **LINGUISTICS.** A study of the grammar, idiom, and vocabulary of middle English at representative periods. Readings from Chaucer, Spenser and Milton. Incidentally the course aims to extend the knowledge and enjoyment of the literature of these masters. English 2, 3 and 4 are intended to prepare the student for intelligent reading in English Literature from 1200 to the present time.

Required of sophomores. 2 hours, through the year.

5. **BALLAD LITERATURE.** A study of the folk ballad in England, its origin, development and influence. Lectures, assigned readings, reports, discussions.

*Open to sophomores and juniors. Given in alternate years.
Will be offered in 1910-11. 3 hours, first semester.*

6. **OUTLINES OF ENGLISH LITERATURE.** A study of the development of English Literature from Beowulf to Tennyson, together with the forces and types that have dominated it. Assigned readings, reports, discussions, lectures.

Required of juniors. 2 hours, through the year.

7. **SHAKESPEARE.** A study of the growth of the mind, art and philosophy of Shakespeare as represented in fifteen typical plays. Collateral reading on The Life of Shakespeare, theories of the sonnets, Baconian hypothesis, and other allied topics. Lectures, reports, discussions.

Students taking English 7 are urged to take English 2 as preparation.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered in 1909-10. 3 hours, first semester.

8. ENGLISH DRAMA. The origin and development of the English drama to the closing of the theaters in 1642. A study of representative masterpieces of the great playwrights. Lectures, reports, theses. Prerequisites English 2 and English 7.

Open to juniors and seniors. Given in alternate years. Will be offered in 1909-10. 3 hours, second semester.

9. THE ESSAY. A study of its types and characteristics. Extended reading in the works of the great essayists, including Bacon, Addison, Steele, Macaulay, Carlyle, Lamb, Hazlitt, Emerson, Lowell, De Quincy, Arnold and Stevenson. Reports, discussions, lectures.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 3 hours, first semester.

10. THE NOVEL. A study of the development of the English novel, its types and significance. Extended reading in the novels of the nineteenth century. Reports, discussions, lectures. The student will be held responsible for at least fifteen novels in addition to collateral reading. Theses may be required.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 3 hours, second semester.

11. AMERICAN LITERATURE. A seminar in the development of American Literature from 1607 to 1900. Topics will be assigned, reports and theses required, wide reading insisted upon, and the class left to the conduct of its members in turn. It is designed for those who have specialized in English and who expect to teach it or to pursue graduate study.

Open to juniors and seniors. Given in alternate years. Will be offered in 1909-10. 3 hours, second semester.

12. LITERARY CRITICISM. A seminar in the history of criticism, in its literature, and in the interpretation of good literature. The aim is to acquaint the student with the elements which compose good literature and with the sources of suggestion in criticizing. Topics, assigned readings, re-

ports, theses. Students will be required to conduct the recitations. Prerequisite English 2. Intended for students who expect to teach or to pursue graduate study and who have specialized in English. The course is limited in numbers.

Open to juniors and seniors. Given in alternate years. Will be offered in 1909-10. 3 hours, second semester.

13. NINETEENTH CENTURY LITERATURE. A seminar in the literature of England since 1800. The essay, the novel, the drama, and poetry are treated in outline. Readings, reports, discussions, lectures.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 3 hours, first semester.

14. NINETEENTH CENTURY POETRY. A seminar in the poetry of England from 1798. A minute study of Wordsworth, Tennyson and Browning, together with lectures and discussions of the other poets of the century. Reading, reports, theses.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 3 hours, second semester.

15. ANGLO-SAXON. An advanced course for students specializing in English or German. A careful study of the grammar and diction of Old English. Reading of Beowulf entire and poems from Cædmon and Cynewulf. Prerequisite English 3.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 2 hours, through the year.

16. BROWNING. A seminar in the poetry and philosophy of Robert Browning. Lectures, papers, discussions.

Open to juniors and seniors. 1 hour, through the year.

17. THE NOVEL. A study of great novel literature and great novelists. The reading is not limited to the English novel but includes masterpieces from the American, Russian and French. The aim is to give the student a wide, critical knowledge of what is great in the novel of every

literature. Lectures, discussions, assigned readings. Course 17 does not cover the field of Course 10. Both may be counted toward a degree. Students are urged to take Rhetoric 2 as a prerequisite.

Open to juniors and seniors. Given in alternate years. Will be offered in 1909-10. 3 hours, through the year.

19. WORDSWORTH, TENNYSON, BROWNING. A critical reading course. Assigned readings, lectures, reports.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered in 1909-10. 2 hours, first semester.

20. CARLYLE, RUSKIN, ARNOLD. A study of their social philosophy and prose style. Assigned readings, lectures, reports.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered in 1909-10. 2 hours, second semester.

Courses 1 to 10 are open to special students if their preparation is sufficient to warrant the instructor in admitting them.

Courses 7 to 15 are open to graduate students specializing in English, but an exceptional standard of work in quantity and quality will be expected of them.

The head of the department will oversee any additional research work which graduate students or undergraduates specializing in English may desire to pursue.

RHETORIC

MR. PUTNAM, MISS WILLSON

1. ENGLISH COMPOSITION. Daily or weekly themes. Study of a text-book. Application of the principles of description, narration, exposition and argumentation. Assigned readings, reports, discussions, classroom analyses and criticism. A general outline course in the fundamentals of rhetoric.

Required of freshmen. 2 hours, through the year.

2. NARRATION. An advanced course in the rhetoric of emotion. A study of the principles of description and narration and their application in daily and weekly themes. As-

signed readings in narrative masterpieces especially in the short story. Reports, discussions, classroom criticism.

Open to sophomores and juniors. Given in alternate years. Will be offered in 1910-11. 2 hours, through the year.

3. ARGUMENTATION. An advanced course in the rhetoric of thought. A study of the principles of exposition and argumentation, of conviction and persuasion. Text-books, assigned readings in the masterpieces, reports, discussions, criticism. Constant practice in preparation of notes, outlines, briefs and themes. The aim is to cultivate clear thinking and effective expression.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered in 1909-10. 2 hours through the year.

4. POETICS. A study of the nature, origin and development of English verse forms. Assigned readings, reports, discussions, lectures; weekly practice in the writing of original or imitative verse. The course is both a study of the literature of English verse and a practice in its production.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 2 hours through the year.

NOTE: If students so desire, Rhetoric 3 may be given in place of Rhetoric 2 or Rhetoric 4 in 1910-11.

5. DRAMATICS. A study of the principles which underlie dramatic composition. Criticism and analysis of representative dramas. Lectures, assigned readings, reports, discussions. Practice in the writing of original dramas.

Prerequisites 4 hours in Rhetoric, English 2, English 7 and English 8. The instructor reserves the right to limit the numbers taking the course.

Open to seniors. 2 hours, first semester.

BIBLICAL LITERATURE

MISS BROWNSON

1. HISTORICAL STUDY OF THE LIFE OF CHRIST.

Required of freshmen. 1 hour, through the year.

2. THE APOSTOLIC AGE. The organization of the Christian Church and the development of its life and literature during the first century.

Required of sophomores. 1 hour, through the year.

3. OLD TESTAMENT HISTORY. Studies in the development of the Hebrew people, the growth of political institutions, the influence of other nations, the religious life, the literature.

Required of juniors. 1 hour, through the year.

4. OLD TESTAMENT PROPHECY. A study of the development and characteristics of prophecy, the place of the prophets in the life of Israel, the relation of prophecy to history, Messianic prophecy.

Required of seniors. 1 hour, through the year.

5. HEBREW POETRY. A study of the poetry of the English Old Testament, especially the Psalms, the Proverbs.

Elective, open to juniors and seniors. 2 hours, first semester.

6. HISTORICAL GEOGRAPHY OF PALESTINE. The land in its physical aspects, the place of Syria in history, the interpretation of the Bible by geographical study, detailed survey of the country.

Elective, open to juniors and seniors. 2 hours, one semester.

7. BIBLICAL ARCHÆOLOGY. Studies of the results of modern exploration in Biblical lands.

Elective, open to juniors and seniors. 2 hours, one semester.

MATHEMATICS

MR. MARTIN

1. SOLID GEOMETRY. Theorems and constructions as given in Durell's *Solid Geometry*. Solution of numerous original exercises, including loci problems. Application to the mensuration of surfaces and solids.

Required of freshmen. 3 hours, first semester.

2. PLANE AND SPHERICAL TRIGONOMETRY. Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles. Proofs of principal formulas, in particular for the sine, cosine and tangent of the sum and difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines; the transformation of trigonometric expressions by means of these formulas. Solution of trigonometric equations. Theory and use of logarithms. Solution of right, oblique and spherical triangles, and practical applications.

Lyman and Goddard's *Trigonometry with Tables* is used as a text-book.

Required of freshmen. 3 hours, second semester.

3. ALGEBRA. Required of freshmen who are deficient in requirements for admission as given in III. Mathematics, Note, page 26.

1 hour, first semester.

4. ADVANCED ALGEBRA.

a. Permutations and combinations. Complex numbers with graphical representation of sums and differences. Determinants including the solution of linear equations. Numerical equations of higher degree and the theory of equations, with graphical methods, including Descartes' rule of signs and Horner's method.

b. Proofs of principal formulas for spherical triangles. Solution of right spherical triangles.

Students intending to pursue the courses in higher mathematics are advised to elect this course. Prerequisite Course 2, or may be taken parallel with Course 2. 2 hours, second semester.

5. HISTORY OF MATHEMATICS. This course is offered in the belief that it is essential to a thorough understanding of elementary mathematics. It treats of the development of mathematics from the earliest known times to the invention

of analytical geometry by Descartes in 1637. The subjects considered are Number Systems, Numerals, Arithmetic, Algebra and Geometry.

References: Histories of Mathematics by Ball, Fink, Gow and Cajori; Fine's *Number-systems of Algebra*, Smith's *Teaching of Elementary Mathematics*, and Schubert's *Mathematical Essays and Recreations*.

Prerequisite Course 2. 2 hours, first semester.

6. PLANE ANALYTIC GEOMETRY. An introductory course treating of the properties of the straight line, the circle, and the conic sections; loci and the general equation of the second degree.

Prerequisite Course 2. 3 hours, first semester.

7. DIFFERENTIAL AND INTEGRAL CALCULUS. An introductory course.

Prerequisite Course 6. 3 hours, second semester.

8. SOLID ANALYTIC GEOMETRY, ADVANCED CALCULUS AND DIFFERENTIAL EQUATIONS.

Prerequisites Courses 4 and 7. 3 hours, through the year.

9. HISTORY OF HIGHER MATHEMATICS.

Prerequisite Course 7; or may be taken parallel with Course 7. 2 hours, one semester.

ASTRONOMY

MR. MARTIN

1. ASTRONOMY, descriptive and historical. Elementary facts and principles with mathematical exercises. Location of principal constellations with field and laboratory work.

The College owns a good 4¼ inch refracting telescope, which is at the disposal of the student for observing the sun, moon, stars and nebulae.

Prerequisites Mathematics, Courses 1 and 2. 2 hours, through the year.

PHYSICS

MISS MONTGOMERY

1. ELEMENTARY PHYSICS. The class work will consist of lectures on the subjects of mechanics, sound, light, heat, electricity and magnetism. As far as possible these are illustrated by lecture table experiments. Carhart's *University Physics* will form the basis of the lecture work.

In the laboratory the students are first instructed in the methods of accurate measurement and in the laws governing the equilibrium and motion of bodies. Later they make determinations of electrical quantities, and problems in heat, sound and light are studied.

Elective. 3 hours, through the year.

CHEMISTRY

MISS MONTGOMERY

1. GENERAL INORGANIC CHEMISTRY. This course does not presuppose a knowledge of Chemistry. It consists of lectures and recitations on the history, occurrence, preparation and properties of the more important non-metallic and metallic elements. Classroom work is supplemented by work in laboratory, where each student prepares and transforms the chief substances studied. The text-books used are Remsen's *College Text-book of Chemistry* and Keiser's *Laboratory Manual*.

3 hours, through the year. Laboratory work, 4 hours weekly.

This Course, or Course 1 in Biology, required of sophomores,

2. QUALITATIVE ANALYSIS. This course consists of lectures, reviews and laboratory work. Ample practice in identifying unknown substances is given to each student. The text-book used is A. A. Noyes' *Qualitative Analysis*.

Elective, open to students who have completed Course 1. 3 hours, first semester. Laboratory work, 2 hours weekly.

3. QUANTITATIVE ANALYSIS. Lectures and laboratory work in gravimetric and volumetric methods.

Elective, open to students who have completed Courses 1 and 2. 3 hours, second semester. Laboratory work, 2 hours weekly.

4. ORGANIC CHEMISTRY. Typical organic compounds, their relations and transformations are studied. In the classroom the work is pursued by lectures and reviews. In laboratory, the more simple organic compounds are first studied and the synthesis of more complex substances from these is then taken up. In every preparation attention is given to quantitative results. The text-books followed are Remsen's *Organic Chemistry* and Gatterman's *Practical Methods of Organic Chemistry*.

Elective, open to students who have completed Course 1. 3 hours, through the year. Laboratory work, 5 hours weekly.

5. LECTURES ON THEORETICAL CHEMISTRY. In this course a systematic study is made of the Atomic, Kinetic and Electrolytic Theories of the constitution of matter.

Elective, open to students who have completed Courses 1 and 4. 1 hour, through the year.

6. ADVANCED ORGANIC CHEMISTRY. In this course two hours a week are devoted to lectures on Methods in Organic Chemistry. Each student is assigned a problem in laboratory, which she solves according to methods used in original research. An organic compound whose composition is unknown is examined and its empirical and structural formulas are determined. This determination involves the application of the most important laboratory methods used in organic research, such as combustions, molecular weight determination, etc. It is carried on independently by the student. After the correct solution of this problem, opportunity is offered the student of starting a problem in original work. The course is especially qualified to fit students for independent research, and has that end in view.

BIOLOGY

MISS MONTGOMERY

I. GENERAL BIOLOGY.

- a. Systematic Invertebrate Zoology. This course consists of a comparative study of the amœba, and other protozoa of typical members of the following

sub-kingdoms: Cœlenterata, Platyhelminthes, Nematelminthes, Trochelminthes, Echinodermata, Annulata, Anthropoda.

- b. Vertebrate Zoology and Embryology. Lectures are given on the skeletons, the muscular, digestive, respiratory, nervous, and urogenital systems of the frog, fish, pigeon and rabbit. This is followed by a brief study of the embryology of the frog and chick.
- c. Eight weeks of Botany, including a study of the structure and physiology of typical plants; and a systematic study of the great groups: Thallophytes, Bryophytes, Pteridophytes, Spermatophytes.

This course or Course 1 in Chemistry required of sophomores. 3 hours, through the year.

2. COMPARATIVE ANATOMY OF VERTEBRATES. Study of the anatomy and physiology of a typical mammal. Laboratory experiments to give practice in histology in addition to experiments regarding composition of foods, digestion, physiology of nerves and muscles, mechanism of circulation.

Elective, open to those who have completed Course 1. 2 hours, first semester.

3. STRUCTURE OF CELL AND PROTOPLASM. Study of numerous protozoa; structure of cell; developmental phenomena; cell division; spermatogenesis; oogenesis.

Elective. 2 hours, second semester.

EXPRESSION

The aim of this department is to foster in the student a larger appreciation of the truth and beauty of great prose and verse, and at the same time to develop the power of expressing to others the results of such literary work. Expressional study of the best kind cultivates beauty of speech, trains the intellect, educates the emotions and puts the student into full command of the forces of body and mind.

Elective courses are offered for all college classes, and

private work may be arranged for by consultation with the instructor. Persons not registered for courses in other departments may become special students in Expression.

Students' recitals are occasionally given.

EXPRESSION COURSES

MISS KERST

- I. a. STUDIES IN VOICE, DICTION, MELODY, PHRASING, RHYTHM, GESTURE, ATTITUDE; IN PRONUNCIATION AND CORRECT UTTERANCE.

Selections are analyzed, and students are assigned definite work for presentation before the class. Criticism and helpful suggestions are given.

- b. EXPRESSIVE PHYSICAL CULTURE.

Exercises are given for poise, presence, bearing; for grace and ease of manner; for breathing.

Elective, for freshmen. 1 hour, through the year.

2. PRINCIPLES OF VOCAL EXPRESSION. The study of thought processes in their relation to utterance. Technical vocal training, the placing of tones, compass, the development of resonance, flexibility, freedom, smoothness, purity and power. The eradication of faults in the use of the voice.

This is distinctly a practice course, in which the student applies the principles underlying all art. Selections include description, narration, oration, exposition and essay; epic, lyric and dramatic poetry. Critical analysis of the selections is made and personal criticism and guidance given in their rendition. Platform recitations are made by the student for criticism.

Elective, for sophomores. 1 hour, through the year.

3. VOCAL AND LITERARY INTERPRETATION. Shakespeare, Browning and Tennyson.

Elective, for juniors and seniors. 1 hour, through the year.

MUSIC

MR. MORGAN

I. HARMONY. This course includes the study of intervals, scales, formation and correct use of all the chords (consonant and dissonant), and the harmonizing of melodies.

Elective, open to all students. 1 hour, through the year.

Two hours of music may be counted toward a degree on condition that one hour is theoretical instruction, with which one hour of practice work may be combined by permission of the Faculty.

The College believes in the cultural power of music and in its value in the higher education of women. It expects to enlarge the courses and to keep music on the high intellectual plane which is being increasingly accorded to it by colleges.

Information concerning practice courses in all departments of music may be found on pages 77-78.

ART

Lectures are given through the year by non-resident professors and the great masterpieces of painting, sculpture and architecture are made familiar to the student. The Carnegie Institute art collections are visited under the direction of artists.

LECTURES

The following list comprises the lectures delivered to students as part of the academic work. They are given at a morning lecture hour and attendance is required:

1908

Oct. 7,	George W. Putnam,	Notes from Germany
" 14,	Dr. E. Trumbull Lee,	The Puritans
" 21,	Dr. John A. Brashear,	The Starry Heavens (Illustrated)
Nov. 4,	Miss Minnie Sellers	The Old Masters (Illustrated)
" 11,	Miss Florence L. Lattimore,	The Pittsburgh Survey
Dec. 2,	Dr. H. D. Lindsay,	The Bible

Dec. 4,	Seumas McManus,	Irish Folk Lore and Fairy Tales
" 7,	Wm. M. R. French,	The Place and Value of the Line in Pictorial Art
1909		
Feb. 3,	Dr. Maitland Alexander, (Day of Prayer)	Drifting
" 10,	Dr. H. D. Lindsay,	Lincoln
" 17,	Dr. J. M. Snowden,	Words and their Uses
" 24,	Luigi von Kunits,	Musicale
Mar. 3,	Rev. G. W. Montgomery,	The Foreign Population of Western Pennsylvania
" 13,	Miss Ethel M. Arnold,	Arnold of Rugby
" 17,	Miss Mary W. Brownson,	Oxford, Past and Present

Special causes were also presented to the student body as follows:

1908		
Nov. 6,	Miss Flora Robinson,	The Student Volunteer Movement
" 29,	Dr. E. T. Ware,	Negro Education
Dec. -2,	Mrs. Chas. L. Taylor,	The Red Cross Society
1909		
Feb. 9,	Miss Katherine R. Pettit,	The Poor Whites of the South

RELIGIOUS AND SOCIAL LIFE

The College is thoroughly Christian in spirit and influence, but undenominational in its management and instruction. Students are expected to be present at daily prayers in the Chapel, and resident students to be regular attendants at church on Sunday mornings and at the Sunday Vesper services in Berry Hall. The Young Women's Christian Association maintains a mid-week prayer meeting and a mission study class; and it contributes to mission work at home and abroad. Systematic Bible study is one of the college requirements, and four hours of such work are prescribed along the lines of literature and history. The social life of the College is under the charge of the Dean. She makes arrangements for the comfort and well-being of resident students, and the plans of all the classes for social occasions are brought to her for approval. General receptions for the stu-

dents and their friends are held at mid-year, and in connection with the Commencement exercises. Smaller gatherings of Faculty and students occur at intervals throughout the year. The traditional College celebrations are those of Hallowe'en, Christmas, Saint Valentine's Day, and May Day, participated in by the student body. The separate classes take the initiative in more informal entertaining at suitable times. The Young Women's Christian Association gives a reception to new students at the beginning of the year, and conducts a Bazaar in December for the benefit of its mission work in Japan.

STUDENTS' CLUBS AND ASSOCIATIONS

The Omega Society has a membership chosen with respect to scholarship and literary ability. Its work is the promotion of an interest in literature, and the providing of opportunities for practice in the art of expression. The Society holds occasional open meetings for the presentation of special programs.

The Young Women's Christian Association holds weekly prayer meetings and monthly missionary meetings. It has an organized mission study class. The Association maintains a scholarship in a missionary school in Oratu, Japan, and it is responsible for the equipment of a room in the Young Women's Christian Association Building in Pittsburgh. Delegates are sent to the Annual Conventions at Mountain Lake Park, and an active part is taken in all work looking toward the strengthening of the religious forces of the institution.

The Athletic Association is a wide-awake organization which affords the students of the College an opportunity to play basketball, tennis and all out-door games. It is the aim of the Association to foster the growth of college spirit, and also to help with the running expenses of the tennis court and the basketball teams. Through the efforts of the members some very valuable apparatus has been purchased for the gymnasium.

The Dramatic Club has for its work the critical study

of pieces of dramatic literature as a means of personal culture for its members, and the occasional presentation of carefully selected plays. The principal event of the club year is the production of Senior Dramatics at Commencement time. In 1908 the play presented was Bulwer-Lytton's *The Lady of Lyons*.

The Glee Club furnishes an excellent opportunity for training in voice. The club responds to many calls for its services at college affairs and occasionally in the city, and gives an Annual Concert. It has an enthusiastic membership and its work is much valued in the college life.

The Mandolin Club is a recent organization, but its work is showing rapid progress, and it will soon win a popular position among the college clubs.

SCHOLARSHIPS AND PRIZES

Two scholarships are open to students of ability who expect to pursue regular courses of study, but who need financial aid in meeting the necessary expenses of a college education.

1. THE HELEN E. PELLETREAU SCHOLARSHIP. A fund has been raised by the Alumnæ to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved President of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Miss Eleanor J. Stevenson, 3501 Fifth avenue, Pittsburgh.

2. THE MARY HAWES NEVIN SCHOLARSHIP. To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family has given the sum of \$6,000 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious of the advantage of a college course.

The Helen E. Pelletreau Scholarship is awarded by the Scholarship Committee of the Alumnæ Association; the Mary Hawes Nevin Scholarship, by Mrs. John I. Nevin. These scholarships are held for one year, but may be renewed upon application.

The Annie Dickson Kearns Medal is a prize founded by Mrs. William L. Coyle in memory of her sister, Miss Annie Dickson Kearns. It is a gold medal awarded annually to the member of the Senior class who shall have attained the highest average standing for the Junior and Senior years of the college course.

CORRESPONDENCE

Business inquiries and letters concerning the entrance of students should be addressed to Pennsylvania College for Women, Pittsburgh, Pa. Personal letters or particular communications of parents in regard to their daughters should be sent to the President, Rev. Henry D. Lindsay, D.D., or to the Dean, Miss Cora Helen Coolidge.

TEACHERS' REGISTRY

The College is deeply interested in the welfare of its Alumnæ, and is willing to coöperate actively with those who desire to secure teaching positions. A registry will be kept for the purpose, and eligible candidates will be recommended to schools desiring to fill vacancies in their faculty lists.

DEGREES CONFERRED IN 1908

BACHELOR OF ARTS

Greene, Lilla Abigail	Hoosick Falls, N. Y.
Grow, Laura Myrtle	Highland, Cal.
Marshall, Virginia Gilmour	Wilkinsburg
Mellon, Mary Bell	Wilkinsburg

STUDENTS

SENIORS

Beard, Irma Haynie	Wilkinsburg
Coburn, Enid Gladwin	Pittsburgh
Cohen, Eva Marie	Pittsburgh
Coulter, Mary Emma	Canonsburg
Estep, Leila Anna	Pittsburgh
Jarecki, Carla Dorothea	Sandusky, O.
Tatnal, Edna Grace	Pittsburgh

JUNIORS

Kramer, Mary Alice	Pittsburgh
McKibben, Elma Lenore	Pittsburgh
Tassey, Ethel Belle	McKeesport

SOPHOMORES

Blakeslee, Clarissa Reta	Manorville
Carpenter, Sara Reynolds	Wilkinsburg
Crowe, Mabel Florence	Pittsburgh
Darrah, Alice Lillian	Allegheny
Diescher, Irma Jessie	Pittsburgh
Greene, Margaret	Hoosick Falls, N. Y.
Gray, Frances	Pittsburgh
Hamilton, Minerva	Edgewood
McClymonds, Belle Vance	Wilkinsburg
McCullough, Margaret May	Wilkinsburg
Supplee, Rosalie	Wilkinsburg
Trussell, Elma Marie	Carrick
Wayne, Gertrude Jeanette	Braddock
Wilson, Florence Kerr	Wilkinsburg

FRESHMEN

Bickel, Florence Emma	Pittsburgh
Bowes, Annie Harriet	Pittsburgh
Chaddock, Edith Melvina	Pittsburgh
Davies, Elizabeth Frances	Munhall
Davis, Eleanor	Oakmont
Demmler, Maude Eleanor	McKeesport
Dillon, Pauline E.	Coraopolis
Dulaney, Grace Edna	McKeesport
Duncan, Roberta Marguerite	Edgewood
Estep, Elvira	Pittsburgh
Faloon, Mary Hand	Pittsburgh
Finkelstein, Anna	Sharpsburg
Fox, Irene Katheryn	Pittsburgh
Gerwig, Cora Edith	Wilkinsburg
Gray, Mary Rariden	Pittsburgh
Grooms, Helen Herd	Pittsburgh
Hardy, Mary Rebecca	Pittsburgh
Hickson, Hazel Fay	Butler
Keys, Florence Rebecca	Wilkinsburg
Kim, Martha Amanda	Pittsburgh
Kingman, Rubie Estelle	Jamestown, N. Y.
Lindsay, Lillie Arndt	Pittsburgh
Lloyd, Lillian	St. Louis, Mo.

McLain, Susan Loresta	Dravosburg
Milligan, May	Allegheny
Pierce, Beulah Vera	Pittsburgh
Reitz, Edna Marie	Oakmont
Sands, Martha Josephine	Pittsburgh
Sharp, Daisy Cochrane	Pittsburgh
Stahlman, Calla Loree	Vandegrift
Wehling, Elsie Dean	Bellevue
Worrell, Alice Elizabeth	Pittsburgh

SPECIAL

Allderdice, Ellen H.	Pittsburgh
Beard, Harriet Edna	Wilkinsburg
Beaty, Margaret Ann	Mannington, W. Va.
Campbell, Emma Mellou	Pittsburgh
Carter, Martha Rodes	Pittsburgh
Crandall, Evelyn Frances	Warren
Cribbs, Olive Irene	Jeannette
Doudna, Mary Alice	Barnesville, O.
Early, Cora E.	Pittsburgh
Hooker, Arline Burmah	Geneseo, N. Y.
Irwin, Lennis Blanche	Munhall
Johnson, Bessie DePuy	Pittsburgh
Kingsbacher, Florence	Pittsburgh
Martin, Alice	Carnegie
Miller, Mary Isabella	Pittsburgh
Neel, Frances Folsom	Dravosburg
Rothrock, Mary Helen	Reedsville
Shurmer, Lena Lucile	West View
Teeters, Helen Elizabeth	Monongahela

ALUMNAE ASSOCIATION

The Association has its headquarters at the College, and holds its annual meeting in the Assembly Hall on the Friday preceding Commencement Day. It publishes annually the *Alumnae Recorder*, containing a list of graduates, corrected by the latest information obtainable, and many items of interest concerning Alumnae and former students.

The officers of the Association for the year 1908-1909 are: President, Mrs. William S. Miller, '77; Vice-President, Mrs. Maurice Trimble, '92; Secretary, Miss Jennie E. Mc-

Sherry, '03; Treasurer, Miss Elizabeth McCague, '98; Editors of Recorder—Literary, Mrs. W. J. Post, '88; Mrs. John M. Irwin, '03; Business, Miss Carrie Kim, '01; Miss Lida Young, '04; Advisory, Miss Ellen McKee, '07.

The Association is in full sympathy with college plans and purposes, and manifests its feeling in very practical ways. Two clubs of recent Alumnæ have been organized, members of the classes between 1890 and 1900 forming Decade Club I, and graduates from 1900 on constituting Decade Club II. The Alumnæ Lecture Committee has again undertaken to raise and administer a fund by means of which lectures may be given in the Assembly Hall for the benefit of Undergraduates and Alumnæ. On December 4, 1908, Mr. Seumas MacManus presented the subject of *Irish Fairy Tales and Folk Lore*. On March 13, 1909, Miss Ethel Arnold, of England, lectured under the joint auspices of the Alumnæ Committee and the College, upon the theme, *Arnold, of Rugby*; and in connection with the lecture, a reception was held for the teachers of Preparatory and High Schools in Pittsburgh and vicinity.

The Association has taken up the work of furnishing the new college Residence Hall, and in addition to securing subscriptions toward the required amount from individual members and friends, has presented two open lectures. At the home of Mrs. Omar Scott Decker, on Amberson avenue, on the afternoon of February 16, Miss Cora Helen Coolidge, Dean of the College, lectured on *Everyday Thoughts from Browning*, assisted by Miss Few and Miss Draais, of the School of Music. On February 25, at the Rittenhouse, Mr. Seumas MacManus gave readings from his own works, illustrating the subject of Irish Folk Lore. He was assisted by the College Glee Club.

FEES

	PER YEAR.
Tuition.....	\$125.00
Room rent, including light and heat.....	100.00
Table board.....	175.00
Physical Training—	
Private lessons, twice a week.....	50.00
In classes of four, twice a week.....	25.00
Expression—	
Private lessons, twice a week.....	25.00
Laboratory—	
Biology, or Chemistry.....	15.00
Physics.....	5.00
Tutoring, per hour.....	1.00
Private Examination.....	2.00
Diploma—	
Bachelor of Arts.....	5.00
Master of Arts.....	10.00
Laundry, plain pieces, per dozen.....	.50
Luncheon, for day students.....	.25
Boarding during vacation, per week.....	7.00

REGULATIONS FOR PAYMENT

Tuition will be remitted to resident students who are daughters of ministers. A reduction of \$25.00 will be made to day students who are daughters of ministers or of teachers.

All bills for boarding, tuition and extras are due, one-half at the beginning of the college year and the remainder on February 1. Checks should be made payable to Pennsylvania College for Women.

All arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

As engagements with instructors and other provisions for the education of students are made by the College for the entire year in advance, *no deduction can be made in the charge for tuition for either resident or day students.*

No degrees will be conferred unless all bills due to the College by the candidate have been paid.

APPLICATIONS FOR ROOMS

All applications will be registered and rooms not engaged by former students will be assigned according to the date of application. There are a few double rooms, but the bedrooms are generally arranged in suites of two single rooms. Any information concerning the rooms will be given upon application to the Dean.

Resident students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for resident students from *the date at which they had engaged to enter their daughters or wards until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness, when the loss for board and room will be equally shared.*

All unnecessary wear of carpets, furniture, etc., is charged to the students occupying the room.

COURSES IN SOCIAL SERVICE

COURSES IN SOCIAL SERVICE

The purpose of these courses is to give opportunity for the study by practical methods, of charitable, corrective, neighborhood, church and kindred forms of social work, particularly for young women who would prepare themselves for service in institutions and agencies, whether under private management or public administration, to serve either as paid officials or volunteers. The courses aim to consider the fundamental principles of sociology and the social problems of common interest and to give a broad outlook over this field of work. They aim to combine theoretical study with practice as the best preparation for intelligent and efficient service. The theoretical course will be given in the college rooms, and the practical training at the co-operating institutions or agencies under the immediate direction of those in charge.

Two courses will be offered, each of which will lead to a special certificate, the first requiring one and the second two years for completion. In both cases, theory and practice are combined. The one course assigns as practical work observation in several carefully selected institutions along different lines of activity, to enlarge the student's knowledge and to enable her to decide intelligently the question of future specialization. The second year is professional or technical, with definite practice work in the field chosen.

Only in a large city where many kinds of social work are being actively carried on is such training possible as these courses offer. Pittsburgh is alive on these subjects and is gathering experts from all parts of the country; many institutions and agencies are ready to co-operate at once in giving the young women opportunity for observation and practice. The demand for good social workers throughout

the country is to-day greater than the supply. Use of such rare opportunities as these courses offer in Pittsburgh is of exceptional value in preparation for social service of any kind.

Among the institutions and agencies co-operating in these courses are:

Carnegie Home Library Clubs, of the Children's Department, Carnegie Library.

Juvenile Court.

Kingsley House.

Pittsburgh Playground Association.

Young Women's Christian Association.

Many experts in social work in Pittsburgh have offered individual co-operation. Students in the Social Service courses will receive instruction from the faculty in allied departments such as Bible, Ethics, Psychology, Education, Sociology and English, as well as from special workers. Lectures will be given and social problems presented by persons of rare experience in their lines of work.

COURSES IN CONNECTION WITH THE REGULAR CURRICULUM. The courses in theory and observation taken in the one-year course in Social Service may be elected by a regular college student during the first three years in place of other electives; the second year of the two-year course may be elected by a regular student during the fourth year with the practice work amounting to six hours weekly, the equivalent of two semester classroom hours, in place of any other two-hour electives and may lead to the degree of Bachelor of Arts. This enables a student to have a regular college course and be well informed on social work as carried on to-day or be fitted for paid work.

SPECIAL STUDENTS. An applicant for admission must be eighteen years of age. She must have a High School diploma or its equivalent, or experience in some form of social work; in special cases she may substitute for either of these requirements some definite indication that she is likely to take up the work with profit. Arrangements may

also be made for women who have already done social work and who wish particular courses in either theory or practice.

Satisfactory references are required to show that the applicant has the character and the purpose necessary to success in these lines of work; a personal interview with the President may be demanded.

PRICE. The regular college tuition fee will be charged for the courses in Social Service, one hundred and twenty-five dollars a year, payable in September and February. The college dormitory will be open to such students at regular rates. Correspondence invited.



MUSIC SCHOOL



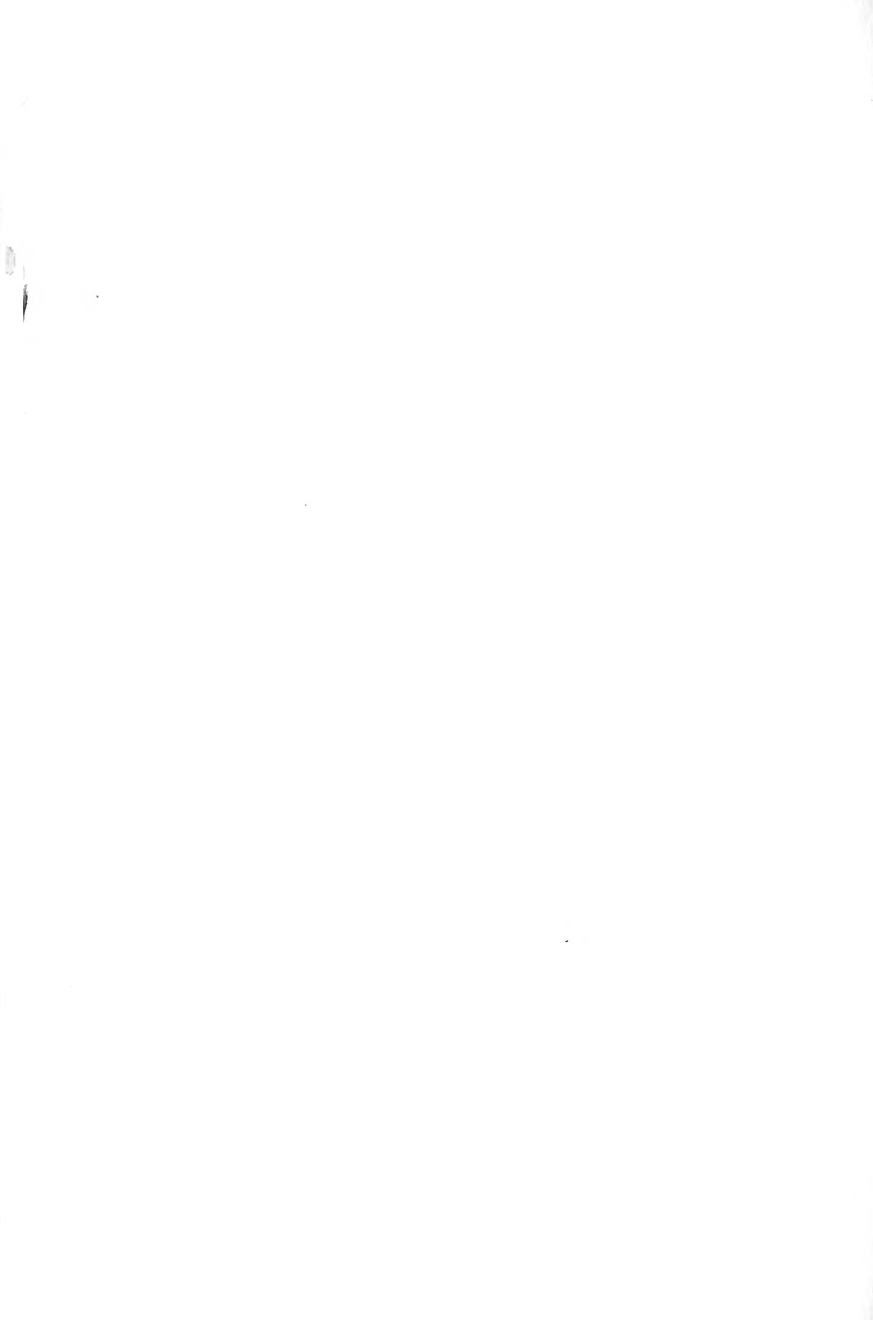
FACULTY

IRVIN J. MORGAN, MUS. BAC., DIRECTOR
Grand Organ, Piano, Theory.

INA FEW
Voice.

CLARA C. DRAIS
Assistant in Piano.

CARL MALCHEREK
(The Pittsburgh Orchestra)
Violin.



MUSIC

Unusual opportunities are offered at Pennsylvania College for Women for the study of this branch of art. The Music School connected with the College has been enlarged and reorganized. All the instructors have had foreign study and training in the subjects placed under their direction. New pianos have been placed throughout the building, and sixteen of these are available for daily practice; and a fine three-manual organ makes it possible for students to secure great advantages in the way of practical training. Instruction is given in Grand Organ, Voice, Piano, Violin, Cornet, and other instruments, if desired. Courses in Harmony, History of Music, and in Musical Appreciation are offered.

Students taking college courses may have two hours of music counted toward a degree, on condition that one hour is theoretical instruction, with which one hour of practice work may be combined by permission of the Faculty. Certificates of work done in Music are given by the Music School, entirely separate from credit records for other courses.

COURSES AND TERMS	Per Semester	
	One lesson weekly	Two lessons weekly
Grand Organ	\$40	\$75
<i>Three-manual pipe organ for lessons and practice, blown by electric motor.</i>		
Piano	30	50
Piano Technics	30	50
<i>Choice of three following methods: Leschetizky, Mason or Virgil Clavier.</i>		
Voice	30	50
Violin	}	
Harp		
Guitar		
Mandolin		
	30	50

THEORETICAL COURSES

Harmony,	}	Private Instruction at Piano rates. Class instruction, for those not otherwise clas- sified, \$15 per semester.	
Counterpoint,			
Canon,			
Fugue,			
Composition,			
Orchestration,			
Instrumentation.			
			Per Semester.
Use of Organ, one period daily			\$15
Use of Piano, one period daily			10

All arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

FREE ADVANTAGES

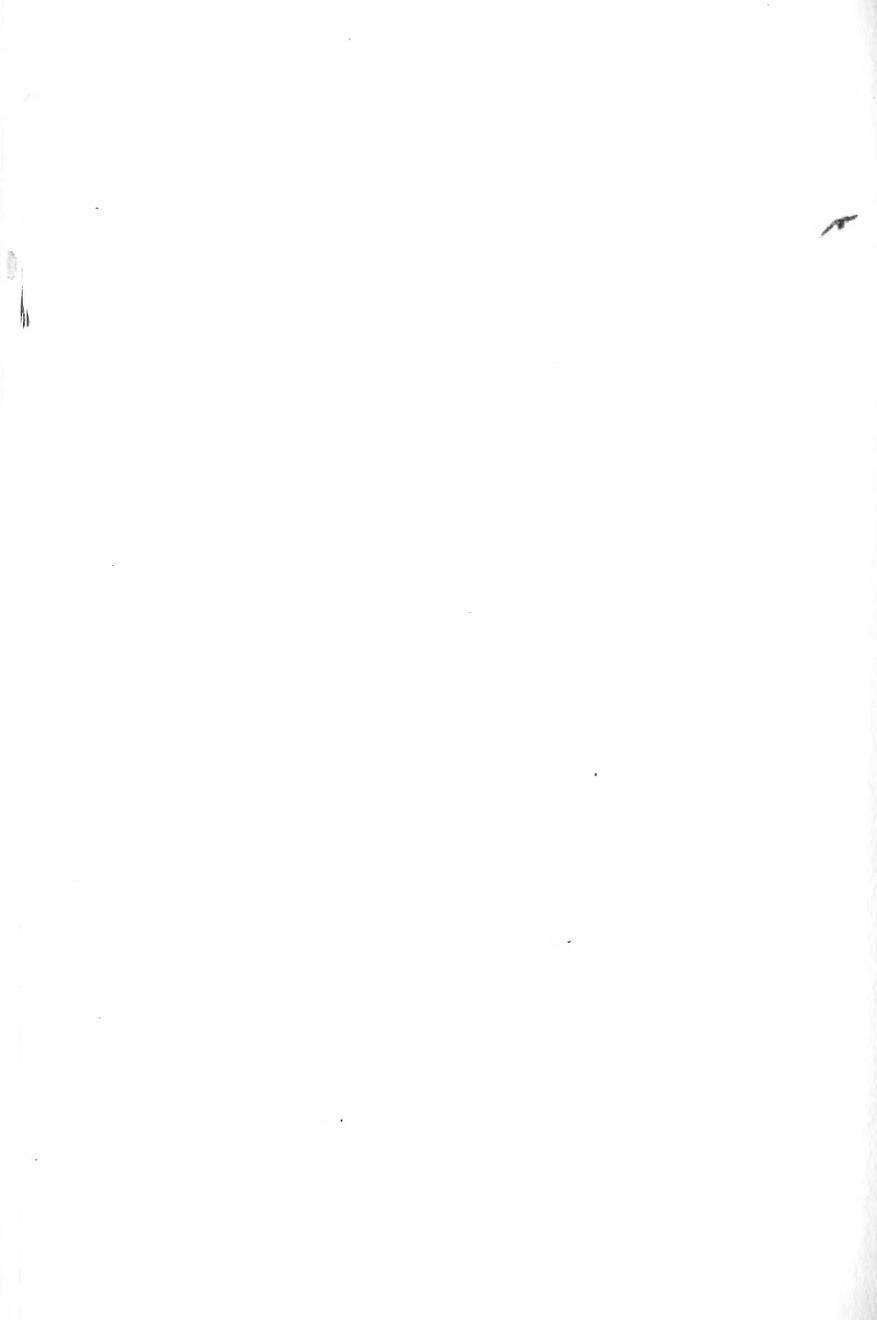
(Open to all Students)

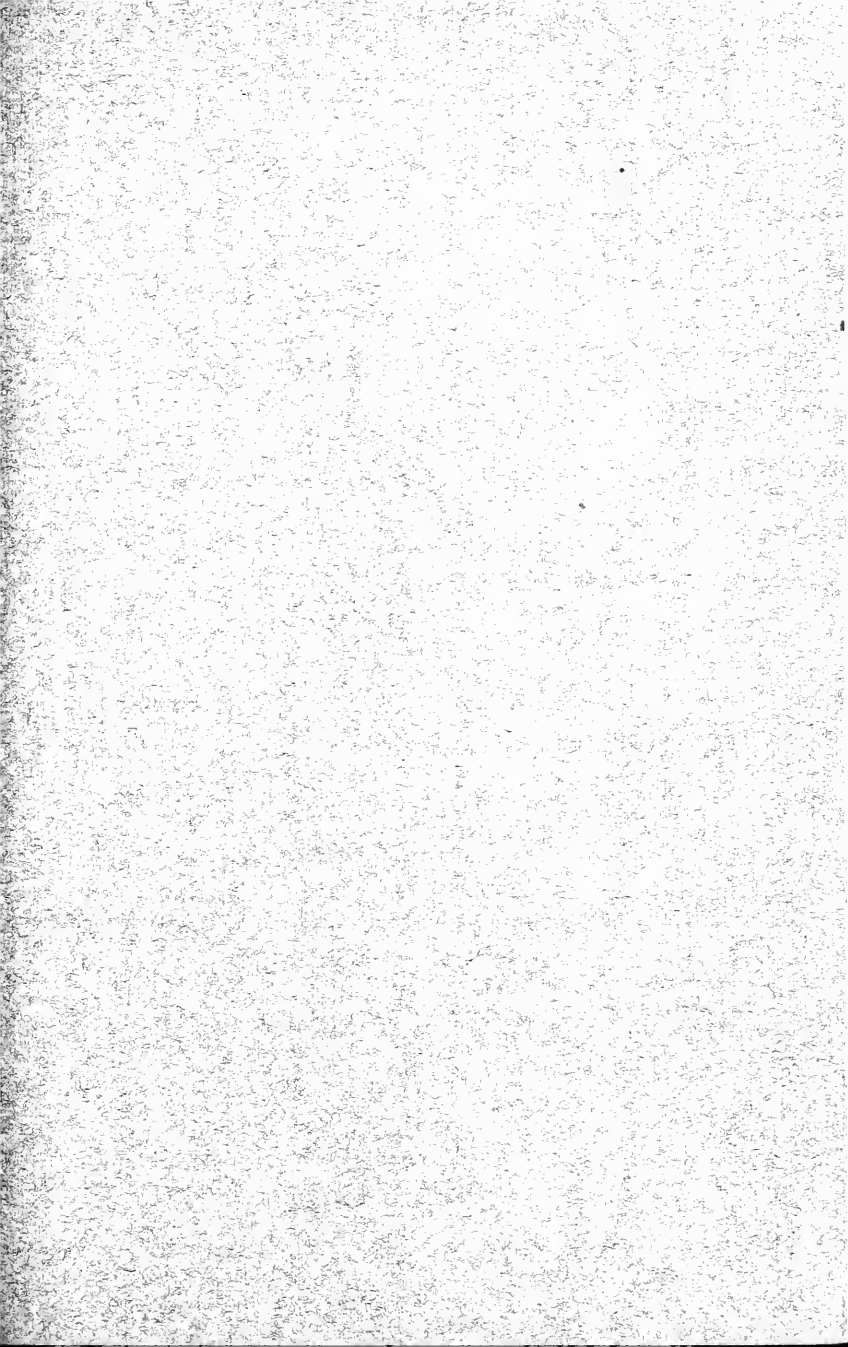
Harmony Class, Ensemble Class, Choral Class, Sight-Singing Class, Class in Musical Appreciation, Glee Club, Mandolin Club. Concerts and Lectures.

MUSIC STUDENTS

Allderdice, Louise Ellen	Pittsburgh
Allderdice, Ellen H.	Pittsburgh
Bachman, Nancy Elizabeth	Bakerstown
Beaty, Margaret Ann	Mannington, W. Va.
Crandall, Evelyn Frances	Warren
Cribbs, Olive Irene	Jeannette
Crowe, Mabel Florence	Pittsburgh
Daub, Lyda Anna	Crafton
Demmler, Maude Eleanor	McKeesport
Doudna, Mary Alice	Barnesville, O.
Duff, Marjorie Burt	Carrick
Ensign, Helen Galbraith	Pittsburgh
Foster, Mary Elizabeth	Crafton
Godwin, Gertrude Garnet	Butler
Goedecke, Hattie Erma	Pittsburgh
Graham, Eunice Bream	Wheeling, W. Va.
Greer, Mary Lucille	Canonsburg
Hall, Hazel	Avalon
Hickson, Edwina Noeline	Butler
Hickson, Hazel Fay	Butler

Irwin, Lennis Blanche	Munhall
Jones, Estelle May	Carrick
Kerr, Helen Hall	Pittsburgh
Keys, Florence Rebecca	Wilkinsburg
Lofink, Edna Margaret	Pittsburgh
Main, Leah	Bethany, W. Va.
Martin, Alice	Carnegie
Martin, Ruth Osbourne	Pittsburgh
Michel, Alice Caroline	Pittsburgh
Milsom, Katherine Brown	Kittanning
McComb, Edith Marie	Pittsburgh
Neel, Frances Folsom	Dravosburg
Newill, Mabel Myers	Mt. Pleasant
Nobbs, Laura Gertrude	Pittsburgh
Porter, Louise Maria	McKeesport
Roenigk, Elizabeth Jeannette	Pittsburgh
Rothrock, Mary Helen	Reedsville
Sands, Martha Josephine	Pittsburgh
Shafer, Katherine Ruth	Pittsburgh
Shurmer, Lena Lucile	West View
Sloan, Genevieve Kennerdell	Pittsburgh
Smith, Annie Luella	Castle Shannon
Taggart, Mabel Cynthia	Pittsburgh
Teeters, Helen Elizabeth	Monongahela
Walton, Sarah Janet Lomas	Lock 4, Wash. Co.
Wehling, Elsie Dean	Bellevue







1909-1910

Pennsylvania College for Women

Pittsburgh

1909-1910

Pennsylvania College for Women

Pittsburgh

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1909

September							October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
...	...	...	1	2	3	4	...	...	...	...	...	1	2	...	1	2	3	4	5	6	...	...	1	2	3	4	...
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
26	27	28	29	30	...	...	24	25	26	27	28	29	30	28	29	30	...	...	...	...	26	27	28	29	30	31	...
...	...	...	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

1910

January							February							March							April						
...	...	...	...	...	...	1	...	...	1	2	3	4	5	...	...	1	2	3	4	5	...	...	...	...	1	2	...
2	3	4	5	6	7	8	6	7	8	9	10	11	12	6	7	8	9	10	11	12	3	4	5	6	7	8	9
9	10	11	12	13	14	15	13	14	15	16	17	18	19	13	14	15	16	17	18	19	10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26	20	21	22	23	24	25	26	17	18	19	20	21	22	23
23	24	25	26	27	28	29	27	28	...	...	...	...	...	27	28	29	30	31	...	...	24	25	26	27	28	29	30
30	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

May							June							July							August						
1	2	3	4	5	6	7	...	...	...	1	2	3	4	...	...	...	...	1	2	...	...	1	2	3	4	5	6
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
29	30	31	...	...	...	...	26	27	28	29	30	...	...	24	25	26	27	28	29	30	28	29	30	31	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	...	...

September							October							November							December						
...	...	...	...	1	2	3	...	...	...	...	...	...	1	...	...	1	2	3	4	5	...	...	...	...	1	2	3
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24
25	26	27	28	29	30	...	23	24	25	26	27	28	29	27	28	29	30	...	...	...	25	26	27	28	29	30	31
...	...	...	...	...	...	...	30	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

1911

January							February							March							April						
1	2	3	4	5	6	7	...	...	...	1	2	3	4	...	...	...	1	2	3	4	...	...	...	...	...	1	...
8	9	10	11	12	13	14	5	6	7	8	9	10	11	5	6	7	8	9	10	11	2	3	4	5	6	7	8
15	16	17	18	19	20	21	12	13	14	15	16	17	18	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	19	20	21	22	23	24	25	16	17	18	19	20	21	22
29	30	31	...	...	...	...	26	27	28	...	...	...	...	26	27	28	29	30	31	...	23	24	25	26	27	28	29
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30	...	...	...	...	...	...

May							June							July							August						
...	1	2	3	4	5	6	...	...	...	1	2	3	...	...	...	...	...	1	...	...	...	1	2	3	4	5	...
7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
28	29	30	31	...	...	...	25	26	27	28	29	30	...	23	24	25	26	27	28	29	27	28	29	30	31	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	30	31	...	...	...	...	...	...	...	...	...	...	...	...

CALENDAR

1909

- 21 September, Tuesday Entrance Examinations
- 21 September, Tuesday . . . First Semester begins—enrollment
- 22 September, Wednesday Recitations begin
- 25 November, Thursday Thanksgiving Day
- 17 December, Friday Christmas Vacation Begins

1910

- 3 January, Monday, 6 P.M. College opens
- 24 January, Monday Mid-year Examinations begin
- 31 January, Monday Second Semester begins
- 10 February, Thursday Day of Prayer for Colleges
- 1 April, Friday Spring Vacation begins
- 11 April, Monday, 6 P.M. College opens
- 20 May, Saturday May Day Fête
- 6 June, Monday Final Examinations begin
- 10 June, Friday, 3 P.M. Alumnæ Meeting
- 11 June, Saturday, 3 P.M. Class Day
- 12 June, Sunday, 11 A.M. Baccalaureate Sermon
Third Presbyterian Church
- 13 June, Monday, 8 P.M. Commencement and President's Reception
The College
- 20 September, Tuesday Entrance Examinations
- 20 September, Tuesday . . . First Semester begins—enrollment
- 21 September, Wednesday Recitations begin
- 24 November, Thursday Thanksgiving Day
- 16 December, Friday Christmas Vacation begins

1911

- 2 January, Monday, 6 P.M. College opens
- 23 January, Monday Mid-year Examinations begin
- 30 January, Monday Second Semester begins
- 31 March, Friday Spring Vacation begins
- 10 April, Monday, 6 P.M. College opens
- 21 May, Saturday May Day Fête
- 12 June, Monday, 8 P.M. Commencement
The College

BOARD OF TRUSTEES

Term Expires in 1910

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JOHN B. FINLEY	JAMES C. GRAY
MRS. WILLIAM S. MILLER	

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JOHN B. FINLEY	Vice-President
WILLIAM H. REA	Secretary
DAVID McK. LLOYD	Treasurer

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JAMES C. GRAY LEE S. SMITH

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REV. WILLIAM L. McEWAN, D.D.

Committee on House Visitation

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Auditing Committee

LEE S. SMITH JOHN B. FINLEY
REV. WILLIAM L. McEWAN, D.D.

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Professor Emeritus, Greek and Latin

LUELLA P. MELOY, B.A., (*Pennsylvania College for Women*)
Sociology

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Biblical Literature and Modern History

ELIZABETH B. ARMSTRONG, B.A. (*Penn'a College for Women*)
Mediaeval and English History

LAURA CAROLINE GREEN, B.A., (*Wellesley*).
Latin Language and Literature
Greek Language and Literature

CHARLOTTE WILLIAMS HAZLEWOOD, B.A., (*Wellesley*)
Latin Language and Literature
Greek Language and Literature

ALICE T. SKILTON, M.A., (*Smith*)
German Language and Literature

JOSEPHINE P. DE VALLAY
French Language and Literature
Italian Language and Literature

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English Language and Literature

WILLIAM H. MARTIN, M.S., (*Franklin*)
Mathematics

FACULTY AND OFFICERS

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Chemistry and Biology

VANDA E. KERST
Expression

MAUDE CALVERT KATHAN, (*Graduate Sargent School for
Physical Education*)
Physical Training

T. CARL WHITMER, DIRECTOR OF MUSIC
Piano, Organ and Theory

ELISE GRAZIANI
Voice

CLARE WARD HUMPHREY
Assistant in Piano

LUIGI VON KUNITS
Violin

EMMA MELLOU CAMPBELL, M.A., (*Westminster*)
Librarian

SIDNEY COLESTOCK
Secretary to the President

MRS. SARAH L. DRAIS
House Mistress

THEODORA M. McKELVEY, B.A., (*Monmouth*)
Assistant to the Secretary

NANCY E. McFARLAND
Assistant to the House Mistress

HISTORICAL STATEMENT

PENNSYLVANIA COLLEGE FOR WOMEN was founded to supply the need in Western Pennsylvania of an institution of higher learning, organized and maintained under distinctively Christian influences. The East End of Pittsburgh was chosen as the location best suited for such a centre of liberal education, and a campus of about eleven acres was secured upon a hill crest in immediate proximity to Fifth Avenue, and between the rapidly growing residence districts of East Liberty and Shadyside. The fine, old family residence already standing upon the property was remodeled and enlarged to meet the requirements of the new school, and at a later time received the name Berry Hall, in memory of its former owner. The founding of the College was made possible by the generous gifts and the active coöperation of many interested friends; and its charter, granted in December, 1869, authorized the conferring of degrees such as are "usually granted and conferred in other colleges of the United States of America," to students who should complete the offered courses of instruction in the liberal arts and sciences. The first class to be graduated comprised six students, who received their degrees in 1873.

Dilworth Hall, the second of the college buildings in order of erection, was named for Mr. Joseph Dilworth, the largest contributor toward its cost and a staunch friend and supporter of the institution. This structure was completed and dedicated in 1888. The Gymnasium was built in 1892,

and connected with a Music Hall in 1897. A new residence hall has recently been constructed, and was opened as a College House in September, 1909.

ORGANIZATION AND AIMS

The entrance requirements of Pennsylvania College for Women are those of the eastern colleges. Its courses of study follow closely the lines of modern collegiate instruction. It is the aim of the College authorities, as it was the intention of its founders, to furnish to students from the populous region in which it stands such advantages and facilities as are enjoyed in the best institutions of learning, opportunities for liberal culture, and the maintenance of high ideals.

LOCATION

The College is situated in the East End of Pittsburgh, in the center of the choicest residence section of the city. The campus is a finely shaded tract of land embracing a hill top on which the buildings stand. The plot owned by the College is part of one many times as large, containing the homes of a few families of wealth. The entrance to this tract is by a private road, so that the College is practically located in a large, private park, thus securing abundance of space and air, wide view, and fine opportunities for outdoor games, combined with a delightful and wholesome seclusion not easy to command in a great city.

Not least among the benefits conferred upon the College by its position in the heart of Pittsburgh is its nearness to the Carnegie Institute. Here are found a splendid library, containing 250,000 volumes; a museum, rich in material for the study of zoölogy, paleontology and ethnography; an art gallery, which maintains a valuable permanent collection of paintings, and exhibits each year work of the best living artists in Europe and America; halls of architecture and sculpture, which make possible at home the acquirement of an intellectual training obtainable under ordinary circumstances only by means of extensive travel in foreign lands.

Any of the lines of electric cars running out Fifth Avenue from the downtown district will carry passengers very near the campus entrances on Murray Hill Avenue and on Woodland Road; and cabs may be taken at the railway stations which will convey travelers to the College. Baggage entering the city by the Pennsylvania lines should be checked to the East Liberty Station.

BUILDINGS

The main buildings of the College are so connected as to be practically one, no exposure to the weather being involved in passing from one to another. They are so disposed as to receive the sunshine on all sides in the course of the day; they are heated by steam and lighted with gas. Berry Hall is four stories in height. On its lower floors are found the library, drawing rooms, class rooms, and the offices of the President and the Dean; it also contains living rooms for faculty members and resident students. Music Hall has a spacious Gymnasium on the first floor, and on the second, music studios and practice rooms. Dilworth Hall is devoted to academic uses, supplying the Assembly Hall, lecture rooms and laboratories. The new residence hall is a four-story building, containing a large reception hall, parlors, dining and service rooms, an infirmary, and living accommodations for about sixty students. It is constructed after the most approved plans for college dormitories, and has proved itself a commodious and most attractive home.

LIBRARY

The College Library, housed in Berry Hall, contains thirty-five hundred volumes. Students have access to its shelves from 8.15 A. M. to 9.30 P. M., daily. The collection is classified according to the Dewey system, and is provided with a card catalogue. A thorough reorganization has augmented the working value of the books already on the shelves; and the departmental collections are enlarged from time to time by gifts of Alumnæ and friends, or by appropria-

tions of funds. A Library Endowment Fund was started during 1909 by Mrs. Agnes Pitcairn Decker, an Alumna of the College, as a memorial of Mrs. Florence I. Holmes Davis, of the Class of 1875; and as this fund increases, its interest will become available for the purchase of important books. The authorities of the Carnegie Library of Pittsburgh have courteously permitted the establishment at the College of a Loan Department for students, which permits the use upon an extensive scale of outside reading in connection with all branches of assigned work.

READING ROOM

Adjacent to the Library is the well-lighted and attractive reading room, supplied with daily and weekly newspapers, the standard monthly magazines and some quarterly reviews.

LABORATORIES

The Science Department is located on the third floor of Dilworth Hall, and is provided with a lecture room and with chemical and biological laboratories, supplied with all modern apparatus necessary for the pursuit of the courses offered. The chemical laboratory is equipped with accurate chemical balances, boiling and freezing point apparatus and other facilities for careful quantitative work. Connected with the chemical laboratory is a stock room situated in the basement of Dilworth Hall, from which duty free apparatus is lent to the student for use in the laboratory. This apparatus remains the property of the College and may be returned at any time; but if broken or used up the student is required to replace it. While no attempt is made to maintain a museum, students have access to a very good collection of minerals, specimens of the rarer elements and their compounds, and representatives of the less readily prepared organic substances. Collections of mounted skeletons illustrating the comparative osteology of typical vertebrates of preserved and mounted zoölogical forms, and of charts and microscopical mounts supplement the laboratory equipment in Biology.

GYMNASIUM

The Gymnasium is a large, well-ventilated building, equipped with chest weights, rowing machines, balance swings and other apparatus. Dressing rooms and locker rooms adjoin the main hall, and new shower baths have been added.

The Department of Physical Training offers to students in the College opportunities for developing bodily strength and grace through systematic and vigorous exercise. Special attention is given to corrective exercises and to æsthetic dancing. The Swedish system of gymnastics is taught, and the lessons are so graded and adapted to the strength of the individual that they are healthful to the most delicate constitution. Two hours of work are required of Freshmen, unless excused upon presentation of written request of parent or guardian. Advanced courses are elective; but students are advised to continue the work for its resulting physical benefit, as well as for the enjoyment derived from it.

Each student undergoes physical examination by the Director upon entrance, and again at the end of the year. The regulation costume is a suit of black serge with white vest.

REQUIREMENTS OF ADMISSION

Registration blanks are provided by the College for the use of applicants for admission, and will be forwarded upon request. These blanks, properly filled and signed, should be in the hands of the College authorities by September 20th. A registration fee of five dollars will be charged for holding a room for a resident student. This will be credited on the first payment, or refunded if notification of withdrawal is sent before August 25th.

All applicants for admission, whether to the Freshman class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character. Those who come from other colleges must also bring certifi-

cates of honorable dismissal. Admission to the Freshman class may be gained either by examination or by presentation of certificate from an approved high school or academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION

Applicants for admission may be examined either during the week preceding commencement, or at the opening of the College year.

ADMISSION ON CERTIFICATE

Students from such high schools and academies as may be approved by the Faculty are admitted to the Freshman class without examination on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the President during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly, equivalents, stated in detail, must be offered. Students received on certificate are regarded as on probation during the first semester.

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing who come from other colleges must present satisfactory college certificates for all prescribed studies below the desired grade, and for enough of elective work to make up their full quota of hours. Students who do not come from other colleges, if they desire advanced credit must pass examinations in subjects offered as College work. Preparatory courses are not accepted as equivalent to collegiate work without examination. No student will be accepted to candidacy for the baccalaureate degree after the beginning of the senior year.

ADMISSION AS SPECIAL STUDENTS

Students who have not satisfied the matriculation requirements may be admitted to special courses for which they are adequately prepared; they must, however, satisfy the College authorities as to their preparation and ability to carry the desired work. Students entering the College from preparatory or high schools can best meet this requirement by the presentation of certificates for antecedent courses, or by offering themselves for examination. The College welcomes as special students persons of mature age and earnest purpose, and will provide for their admission to suitable courses. Students must consult the Dean concerning courses of study, and their work will be arranged by her in consultation with the heads of departments. Certificates will be given for completed work of this kind upon application. Credits for these courses cannot count toward a degree unless the student shall at some time subsequent to her entrance meet matriculation requirements and make up the necessary number of hours.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS

I. LANGUAGES (Other than English)

1. Latin. (These requirements are based upon the recommendations of the American Philological Association.)

a. 1. **LATIN GRAMMAR.** The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

2. **LATIN COMPOSITION.** Translation into Latin of detached sentences and easy continuous prose based upon Cæsar and Cicero.

- b. CÆSAR. Any four books of the *Gallic War*, preferably the first four.
- c. CICERO. Any seven orations from the following list, but preferably the first six mentioned, Manilian Law being accepted as the equivalent of two orations; the four orations against Cataline, Archias, Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.
- d. VERGIL. The first six books of the *Æneid*.

Pronunciation after the Roman method is preferred. Equivalents will be accepted, but verse will not be considered a substitute for prose, nor will anything be accepted for translation of English into Latin.

If physics be offered, a three years' course in one of the following languages, and if physics be not offered, an additional course of at least one year in a second is required.

2. French.

Minimum Requirement (third language).

- a. Essentials of French grammar. Thorough knowledge of the four conjugations, irregular verbs, elementary use of syntax and word order.
- b. The ability to translate at sight easy French into idiomatic English. This can be acquired by reading not less than two hundred pages of graduated texts, such as Halévy's *L'Abbé Constantin*, Lamartine's *Graziella*, Le Brête's *Mon oncle et mon curé*.
- c. Ability to translate at sight easy English into correct French. This can be acquired by the study of any good grammar and composition books, such as *Françoise Composition*, first and second books. Careful drill in correct pronunciation, writing from dictation, memorizing selected prose and poetry.

At least one year, five recitations a week, should be spent on this requirement.

Maximum Requirement (second language).

- a. Thorough knowledge of grammar; word formation, syntax, word order. Thorough knowledge of irregular verbs.
- b. Ability to translate at sight ordinary modern and classical prose and poetry into good English. This may be acquired by reading in addition to the amount specified in the minimum requirement, at least five hundred pages of advanced French, such as George Sand's *La Mare au diable*, Dumas' *La Tulipe noire*, Victor Hugo's *La Chute* and *Les Travailleurs de la mer*, Daudet's *Lettres de mon moulin*, Madame de Sévigné's *Lettres*.
- c. Ability to translate ordinary English into French. This may be obtained by constant oral and written exercises and the use of Chardenal's Advanced French Prose Composition.
- d. Ability to follow recitation conducted in French, to answer questions asked in that language and give brief résumés in French of the contents of texts read. Frequent practice in writing from dictation and memorizing of poems such as La Fontaine's *Fables* and select prose passages are recommended.

Three years, five recitations a week, should be spent on this requirement.

3. German.

Minimum Requirement (third language).

- a. Essentials of German grammar. This includes the declension of nouns, adjectives and pronouns, conjugation of verbs, the use of prepositions and conjunctions, elementary rules of syntax and word order.
- b. Ability to translate at sight easy German into correct English. This may be acquired by the reading

of not less than two hundred pages of graduated texts such as found in any good reader, or in such books as Grimm's *Märchen*, Heyse's *L'Arrabbiata*, Storm's *Immensee*, Von Hillern's *Höher als die Kirche*, Gerstäcker's *Germelshausen*, Seidel's *Leberecht Hühnchen*.

- c. Ability to translate at sight easy English sentences into German. This result may be obtained by the study of any good grammar, translation of paraphrases of the text and the use of an easy composition book, such as Bernhardt's *Prose Composition*. Careful drill in pronunciation, intelligent reading of the German text, writing from dictation, memorizing of selected passages, and the use of simple German phrases in the classroom are recommended.

At least one year, five recitations a week, should be spent on this requirement.

Maximum Requirement (second language).

- a. Thorough knowledge of Grammar, including accidence, word formation, syntax, word order, the uses of the modal auxiliaries, and of the subjunctive and infinitive moods.
- b. Ability to translate at sight ordinary modern and classical German prose or poetry into good English. This may be acquired by reading, in addition to the amount specified in the minimum requirement, at least five hundred pages of advanced German. Graduated texts may be selected from such works as Jensen's *Die braune Erica*; Hauff's *Das Kalte Herz*; Baumbach's *Der Schwiegersohn*; Riehl's *Burg Niedeck* and *Fluch der Schönheit*; Heine's *Die Harzreise*; supplemented by selected texts from the classical writers such as Schiller's *Wilhelm Tell*, *Jungfrau von Orleans*

and *Balladen*; Goethe's *Hermann und Dorothea*, *Iphigenia* and *Dichtung und Wahrheit*; Lessing's *Minna von Barnhelm*; Freytag's *Aus dem Staat Friedrichs des Grossen*, and *Doktor Luther*.

- c. Ability to translate ordinary English into German.

This result may be obtained by constant practice in oral and written reproductions, retranslation of paraphrases of texts and the use of a good text-book of German Composition such as Jagemann's or Harris' German Prose.

- d. Ability to follow a recitation conducted in German, to answer questions asked in that language and to give brief résumés in German of the contents of the texts read. Frequent practice in writing from dictation and the memorizing of selected passages are recommended.

Three years, five recitations a week, should be spent on this requirement.

4. Greek. (These requirements are based upon the recommendations of the American Philological Association.)

- a. 1. GREEK GRAMMAR. The topics for the examination in Greek Grammar are similar to those detailed under Latin grammar.
2. GREEK PROSE COMPOSITION, consisting principally of detached sentences to test the candidate's knowledge of grammatical construction.

The examination in grammar and in prose composition will be based on the first two books of Xenophon's *Anabasis*.

- b. XENOPHON. The first four books of the *Anabasis*.
- c. HOMER. The first three books of the *Iliad* (omitting II, 494-end).

II. ENGLISH

The requirements in English are those recommended by the Conference on Uniform Entrance Requirements in English for Middle States and Maryland.

NOTE: No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

a. READING. A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. The candidate is expected to read intelligently all the books prescribed. She is not expected to know them minutely, but to have fresh in mind their most important parts. *In every case knowledge of the book will be regarded as less important than the ability to write good English.* In preparation for this part of the requirements, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:

In 1909, 1910, 1911—Group 1 (two to be selected): Shakespeare's *As You Like It*, *Henry V*, *Julius Caesar*, *Merchant of Venice*, *Twelfth Night*.

Group 2 (one to be selected): Bacon's *Essays*; Bunyan's *The Pilgrim's Progress*, Part I; Addison's *Sir Roger de Coverley*; Franklin's *Autobiography*.

Group 3 (one to be selected): Chaucer's *Prologue*; Spenser's *Faerie Queene* (selections); Pope's *The Rape of*

the Lock; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Cowper and Burns.

Group 4 (two to be selected): Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe* and *Quentin Durward*; Hawthorne's *House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dickens' *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group 5 (two to be selected); Irving's *Sketch Book* (selections); Lamb's *Essays of Elia*; De Quincy's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies*.

Group 6 (two to be selected): Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), with especial attention to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Lancelot and Elaine*, *The Passing of Arthur*, *Gareth and Lynette*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Hervé Riel*, *Pheidippiads*.

b. STUDY AND PRACTICE. This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this examination will be:

In 1909, 1910, 1911—Shakespeare's *Macbeth*, Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

Attention is called to the following recommendations of the Conference on Uniform Entrance Requirements in English:

1. That English be studied throughout the elementary and secondary school courses, and, when possible, for at least three periods a week during the four years of the high school course.

2. *That the prescribed books be regarded as a basis for such wider courses of English study as the schools may arrange for themselves.*

3. That where careful instruction in idiomatic English translation is not given, supplementary work to secure equivalent training in diction and in sentence structure be offered throughout the high school course.

4. *That a certain amount of outside reading, chiefly of poetry, fiction, biography and history, be encouraged throughout the entire school course.*

5. That definite instruction be given in the choice of words, in the structure of sentences and of paragraphs, and in the simple forms of narration, description, exposition and argument. Such instruction should begin early in the high school course.

6. That systematic training in speaking and writing English be given throughout the entire school course. That, in the high school, subjects for composition be taken partly from the prescribed books and partly from the student's own thought and experience.

7. That each of the books prescribed for study be taught with reference to:

- a. The language, including the meaning of words and sentences, the important qualities of style, and the important allusions.
- b. The plan of the work, *i. e.*, its structure and method.
- c. The place of the work in literary history, the circumstances of its production, and the life of its author.

8. That all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

III. MATHEMATICS

1. Algebra.

- a. The four fundamental operations for rational algebraic expressions. Factoring, determination of highest common factor and lowest common multiple by factoring. Fractions, including complex fractions, ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. Radicals, including the extraction of the square root of polynomials and of numbers. Exponents, including the fractional and negative. Quadratic equations, both numerical and literal. Simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations.
- b. Theory of Quadratics. Problems depending on quadratic equations. The binomial theorem for positive integral exponents. The formulas for the

n th term and the sum of the terms of arithmetical and geometrical progressions, with application.

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

2. Plane Geometry.

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. The solution of numerous, original exercises, including loci problems. Applications to the mensuration of lines and plane surfaces.

NOTE: The work in preparatory algebra should consist of an elementary course given the first year and a more advanced course given not earlier than the third year, after demonstrational geometry. This can be best accomplished by reviewing courses the equivalents of (1a) and (2) above, and by completing the equivalent of (1b) during the year preceding entrance to college.

IV. SCIENCE

Physics, Carhart and Chute, *Elements of Physical Science*, or equivalent. Laboratory work consisting of at least forty experiments taken from the manual must be shown by notebook certified by the instructor to be the original work of the student. As noted above, one year of a third language may be substituted for Physics.

V. HISTORY

1. **Ancient History** with special reference to Greek and Roman History, but including also a short introductory study of the Ancient East and extending to 800 A. D.

2. English History with due reference to social development and the growth of political institutions.

Students must present such supplementary evidence of the character of their preparation as notebooks, maps, and digests of collateral reading.

DEGREES

The degree of Bachelor of Arts is given to students who have satisfactorily completed courses amounting in all to fifty-six hours of college work.

The degree of Master of Arts is conferred upon Bachelors who hold the degree of Arts from this college, or from some other college of equal standing, and who have satisfactorily completed one full year of graduate work under the direction of the Faculty. In exceptional cases the work may be done *in absentia*, an examination of the candidate being required as a test of fitness to receive the degree. A detailed statement of the conditions of graduate study may be found on page 30.

REGULATION OF STUDIES

The unit of time used in measuring the value of work is the year hour,—that is, one full hour of class work weekly during a college year.

The minimum requirement for a degree is fifty-six hours; for each year of the college course the requirement is fourteen hours weekly. Two deviations from this rule are provided for in the scheme of work.

1. By special permission of the Faculty, the allotment for a year may be increased to sixteen hours for students capable of maintaining a uniformly high grade of scholarship, and anxious to prepare for advanced courses in a chosen department.

2. At the beginning of the Senior year, a student who has carried her earlier years of work with distinction may make application for a reduction of the

number of required hours, in order that she may do intensive work in a department where she has already shown aptitude. With the consent of the Dean and the Head of the Department in which the special work is to be done, she may undertake a schedule of twelve hours.

The total requirement for the degree in Arts is made up as follows:

Latin	}	six hours
or		
French		
or		
German		
or		
Greek		
English		seven hours
Mathematics		three hours
Science		three hours
Philosophy		four hours
History		three hours
Biblical Literature		four hours
Elective work		twenty-six hours

Each hour of class work is supposed to require two hours of preparation.

ELECTIVE WORK

In the Freshman year, Mathematics, Rhetoric, and Bible are prescribed studies, amounting to six hours of work. Eight hours must be elected from a list of nine subjects under the departments of Language, Science, English, Music, History and Expression. In the Sophomore year five hours of work are to be elected; in the Junior year, five and one-half hours; in the Senior year eleven and one-half hours.

All elections are subject to the approval of the Faculty. Not more than six hours may be elected in a single department in any semester. The Faculty retains the option of forming a class in any elective course when fewer than six students apply for registration.

ATTENDANCE UPON CLASS EXERCISES

The grade of work done by a student is necessarily affected by irregularity of attendance upon lectures or recitations. Special examinations may be required if the number of avoidable absences for any semester shall exceed the limits of moderation.

Opportunities are occasionally offered for attendance upon lectures given in the city which are connected in subject with courses offered by the College. Upon notification by the instructor concerned, students will be expected to attend such lectures, and may have them counted as part of the required work of the courses to which they are allied.

EXAMINATIONS

General examinations are held in all subjects at mid-year and at the close of the college year. Partial examinations may be given at the discretion of the instructor. Examinations taken for the removal of conditions, or for the securing of credit for private work are scheduled for the opening days of a semester, but may be appointed for other times under special conditions.

Students failing to present themselves for examinations in course may secure private examinations by permission of the Dean and upon payment of a fee of two dollars. If several examinations are to be taken under one permit, a fee of three dollars shall cover the list.

CONDITIONS

A student whose work in any course is unsatisfactory will be conditioned in this subject at the end of the semester. This condition must be removed by the doing of an assigned amount of supplementary work within time-limits set by the instructor, and if considered necessary, under the direction of a tutor. If the condition is not removed at the expiration of the time-limit, the work of the course will be considered a failure. Failure in a required course must be made good by the repetition of the course at the time when it is next regularly given.

Entrance conditions are ordinarily to be made good within the first year of college attendance. No student can retain her entrance classification if she continues to carry conditions exceeding five year hours.

REPORTS

Reports of the scholarship of students are sent out at the end of a semester to any parents or guardians who may request such statements. A student may learn her standing in classes by making application to the Dean at the end of a semester.

GRADUATE WORK

Graduates of the Pennsylvania College for Women, or of other institutions in which the requirements for a baccalaureate degree are substantially equivalent, may enter upon work for the degree of Master of Arts.

Advanced courses appropriate for graduate study leading to the higher degree are described in the outlines of courses of various departments. Some courses are open to both graduate and undergraduate students; graduates pursuing these courses must maintain a standard of work sufficiently high to satisfy the College authorities that they are entitled to receive graduate credit.

The amount of work required of a candidate for the degree of Master of Arts is equivalent to fourteen hour courses pursued during a period of residence not shorter than one year. Candidates for this degree are required to pass examinations in one major and at least one minor subject, which have been determined upon not later than October 15th of the year in which the examinations will be taken. The major and one minor must be in separate departments, but the subjects should be so related as to indicate a definite acquisition in scholarship on the part of the student. A thesis on the major subject, due not later than May 1st, will be required to complete the work for the Master's degree.

A graduate of the Pennsylvania College for Women who has completed one full year of continuous graduate

study in an American University of high standing may make application for the degree of Master of Arts and this degree may be granted upon condition that she comply with the following requirements:

1. She shall present the University Registrar's certificate of credit for graduate work completed, and a letter from the Chairman of her Examining Committee of the University certifying that her scholarship and amount of work successfully finished entitle her to the University examination for the Master's degree, and that he approves her application for such a degree from the Pennsylvania College for Women.

2. She shall submit a satisfactory thesis based upon her graduate study.

3. She shall present herself for examination for the Master's degree at the discretion of the Faculty.

Tuition and laboratory fees paid by graduate students are the same as those paid by undergraduates. The charge for a diploma is ten dollars.

CURRICULUM SCHEDULE

Freshman Year	Sophomore Year	Junior Year	Senior Year
Mathematics Course I 3 hours	English Literature Course IV 2 hours	English Course VI 2 hours	Philosophy Course III 1½ hours
Rhetoric Course I 2 hours	Science or Modern Language 3 hours	Science or Modern Language 3 hours	Bible Course IV 1 hour
Bible Course I 1 hour	History Courses I and II 3 hours	Philosophy Courses I and II 2½ hours	Elective 11½ hours
8 hours to be chosen from the following list Greek 3 hours Latin 3 hours French 3 hours German 3 hours Science 3 hours English 2 hours Music 2 hours History 1 hour Expression 1 hour	Bible Course II 1 hour	Bible Course III 1 hour	
	Elective 5 hours	Elective 5½ hours	
14 hours	14 hours	14 hours	14 hours

COURSES OF INSTRUCTION

PHILOSOPHY

DR. LINDSAY, MR. MARTIN

1. **PSYCHOLOGY.** A study of the laws and the phenomena of the mind.

Dr. Lindsay.

Required of juniors. 3 hours, first semester.

2. **LOGIC.** A study of the principles of inductive and deductive reasoning, and of the relation of logical theory to scientific and philosophic thought.

Mr. Martin.

Required of juniors. 2 hours, second semester.

3. **ETHICS.** The history of ethical philosophy, and a study of the fundamental principles of morality.

Required of seniors. 3 hours, first semester. Dr. Lindsay.

4. **HISTORY OF PHILOSOPHY.** An introductory outline of Greek philosophy, followed by lectures on the development of modern philosophy.

Dr. Lindsay.

Elective, open to all who have taken the required work in Psychology. 2 hours, second semester.

5. **CHRISTIAN EVIDENCES.** An outline of the grounds upon which the Christian system rests.

Dr. Lindsay.

Elective, open to sophomores, juniors and seniors. 2 hours, first semester.

SOCIOLOGY AND PEDAGOGY

MISS COOLIDGE, MISS MELOY

1. **SOCIOLOGY.** A comprehensive view of the structure and life of society, both in its normal and its pathological aspects. Topics in outline are assigned for individual investigation, and the results are brought together and discussed in the class room.

Miss Meloy.

Elective, open to juniors and seniors. 2 hours, second semester.

2. THE PRINCIPLES OF ECONOMICS, AND SOME ECONOMIC PROBLEMS.

Miss Meloy.

Elective, open to juniors and seniors. 2 hours, first semester.

3. SOCIAL SERVICE.

- a. Assigned topics dealing with problems of poverty and principles of relief, and with the methods of philanthropic agencies. Lectures on preventive and constructive agencies for social welfare. Discussions. Weekly visits in and about Pittsburgh.

Miss Meloy.

Elective. 2 hours, through the year.

- b. Professional training, combining theory and practical experience in some chosen field.

Elective, open to those who have had Course a. 2 hours, through the year.

4. ECONOMICS AND CIVICS. Lectures on economic theory. Study of practical problems.

Miss Meloy.

Elective. 2 hours, first semester.

5. EDUCATION.

- a. History of Education. The development of educational ideals, material and methods, with special attention to the study of the great educational reformers.

- b. Contemporary Educational Principles and Problems. Class reports and discussions, lectures, papers.

Miss Coolidge.

Elective. 2 hours, second semester.

HISTORY

MISS BROWNSON, MRS. ARMSTRONG

I. THE MEDIAEVAL PERIOD. The history of Europe from the fourth to the fifteenth century. The object of this course is to give a general survey of the political, social and ecclesiastical history of Europe from Constantine to the rise of the Hohenstaufen empire. Due emphasis is given to the

dissolution of the Roman Empire in the West; Germanic invasions and settlements; the development of the Church; feudalism.

Mrs. Armstrong.

Required of sophomores. 3 hours, first semester.

2. THE MEDIÆVAL PERIOD (continued). The history of Europe from the Feudal Age to the Renaissance. In this course particular attention is given to the dominating influence of the Church; the Holy Roman Empire; the Crusades; the beginnings of national growth; the formation of European States.

Mrs. Armstrong.

Required of sophomores. 3 hours, second semester.

3. THE MODERN PERIOD. A study of the history of Europe from the beginning of the Renaissance to the Congress of Vienna, 1815. Special emphasis is laid upon the political and religious development of Europe during the Reformation, the rise of Prussia, the French Revolution and the Napoleonic Wars.

Miss Brownson.

Elective, open to students who have taken Courses 1 and 2. 3 hours, through the year.

4. MODERN EUROPEAN SOCIAL HISTORY. Studies in local institutions and organizations, the relations of classes, manners and customs, social development, trade relations of European States.

Miss Brownson.

Open to students taking Course 3. One section to be elected.

a. England under the Tudors and Stuarts.

2 hours, one semester.

b. Russia under the Romanoffs to Alexander I.

2 hours, one semester.

c. France under the later Valois and the Bourbons.

2 hours, one semester.

5. ENGLISH HISTORY. A study of the mediæval period, discussing the growth of England; various settle-

ments and conquests; organization of the government; origin and development of the constitution.

Mrs. Armstrong.

Elective, recommended to sophomores wishing to specialize in English Literature, but open to all students. 2 hours, first semester.

6. ENGLISH HISTORY. A continuation of Course 5, covering the modern period of English History, and including the reformation of the church; the establishment of parliamentary control, and the development of cabinet government.

Mrs. Armstrong.

Elective, open to those who have completed Course 5. 2 hours, second semester.

7. EUROPE IN THE NINETEENTH CENTURY. A study of the political history of Europe from 1815 to 1900.

Miss Brownson.

Elective, open to students who have completed Course 3. 3 hours, through the year.

8. MODERN INTERNATIONAL RELATIONS. Studies in present day political problems.

Miss Brownson.

Open to students taking Course 7. One section to be elected.

a. The United States as a World Power.

2 hours, one semester.

b. The Latin-American Republics.

2 hours, one semester.

c. Europe in Africa.

2 hours, one semester.

9. AMERICAN CONSTITUTIONAL HISTORY. A study of the principles upon which the American government is based, and the historical development of these principles.

Miss Brownson.

Elective, open to juniors and seniors. 2 hours, one semester.

10. CONTEMPORARY HISTORY. A study of periodical literature, with topical reports by students. Papers upon special themes.

Miss Brownson.

Elective, open to all students. 1 hour, through the year.

GREEK

MISS GREEN, MISS HAZLEWOOD

1. GRAMMAR AND PROSE COMPOSITION, *First Greek Book* (White); XENOPHON, *Anabasis* (Goodwin and White).

Elective. 3 hours, through the year.

2. XENOPHON, *Anabasis* continued through Book IV; HOMER, *Iliad* (Seymour), Books, I, II and III. *Greek Prose Composition* (Pearson).

Elective. 3 hours, through the year.

Course 1 is open to students not offering Greek in college preparation. Course 2 is open to students entering college with one year of Greek as third language.

3. PLATO. *Apology, Crito*; XENOPHON, *Memorabilia*. *Greek Prose Composition*.

Elective. 3 hours, first semester.

4. HOMER, *Odyssey*, Selections from Books I-XII. The epic will be studied as a whole from the literary standpoint; Homeric life and antiquities will be studied in detail. *Greek Prose Composition*.

Elective. 3 hours, second semester.

5. THE ATTIC ORATORS. Selected orations from Lysias, Isocrates and Demosthenes.

Elective. 3 hours, first semester.

6. AESCHYLUS, *Prometheus Bound* (Mather); SOPHOCLES, *Ædipus Tyrannus* (Earle); EURIPIDES, *Medea*. Private reading on the archæology of the drama (actors, costumes, buildings, etc.)

Elective. 3 hours, second semester.

7. HERODOTUS, Books VI and VII, and a study of the Persian Wars.

Elective. 2 hours, one semester.

8. THUCYDIDES, and a study of the Peloponnesian War.

Elective. 2 hours, one semester.

9. HISTORY OF GREEK LITERATURE. Lectures with private reading assigned in Greek and English.

Elective, open to juniors and seniors. 2 hours through the year.

10. PLATO, *Phaedo*.

Elective, open to juniors and seniors. 2 hours, one semester.

11. ARISTOPHANES, *Frogs or Clouds*. Selections from the Lyric Poets.

Elective, open to juniors and seniors. 2 hours, one semester.

12. ADVANCED GREEK PROSE. Constructive study of Greek syntax and style.

Elective, advised for those intending to teach Greek. 2 hours, one semester.

13. INTRODUCTION TO GREEK ARCHÆOLOGY. An outline course in the study of Greek pottery, architecture, sculpture and minor antiquities, illustrated as far as possible.

Elective. 2 hours, first semester.

LATIN

MISS GREEN, MISS HAZLEWOOD

1. LIVY. Selections from Books I, XXI, XXII.

Required of freshmen. 3 hours, first semester.

2. HORACE, *Odes and Epodes*.

Required of freshmen. 3 hours, second semester.

3. LATIN PROSE COMPOSITION.

Elective, open to freshmen to supplement the work of the first semester. 1 hour, second semester.

4. MYTHOLOGY, based upon Ovid.

Elective, open to all students. 1 hour, second semester.

5. INTRODUCTION TO ROMAN ARCHÆOLOGY.

Elective, open to students who have completed Courses 1 and 2. 1 hour, first semester.

6. CICERO, *Letters*. A study of the political and social conditions of the period.

Elective, open to students who have completed Courses 1 and 2. Offered in 1909-10. 3 hours, first semester.

7. CICERO, *De Senectute* and *De Amicitia*.

Elective, open to students who have completed Courses 1 and 2. 3 hours, one semester.

8. TACITUS, *Annals*.

Elective, open to students who have completed Courses 1 and 2. 2 hours, one semester.

9. TACITUS, *Germania* and *Agricola*.

Elective, open to students who have completed Courses 1 and 2. 2 hours, one semester.

10. PLINY, *Letters*. Study of political and social conditions under the early empire.

Elective, open to students who have completed Courses 1 and 2. 2 hours, second semester.

11. HORACE, *Satires* and *Epistles*.

Elective, open to students who have completed Courses 1 and 2. 2 hours, first semester.

12. LATIN COMEDY. Selected plays of Plautus and Terence.

Elective, open to juniors and seniors. 3 hours, one semester.

13. HISTORY OF LATIN LITERATURE. Lectures with private reading assigned in Latin and English.

Elective, open to juniors and seniors. 2 hours, through the year. Offered in 1910-11.

14. ADVANCED PROSE COMPOSITION. Constructive study of Latin syntax and style.

Elective, advised for those intending to teach Latin. 2 hours, one semester.

GERMAN

MISS SKILTON

1. ELEMENTARY COURSE. Grammar, prose composition, reading of short stories and plays by modern writers, memorizing of poetry, conversation.

Open to students who presented no German at entrance. 3 hours, through the year.

2. INTERMEDIATE COURSE. Reading of modern German prose, and of the simpler classical dramas; grammar, prose composition, conversation.

Open to students who presented two years of German, or who have taken Course 1. 3 hours, through the year.

3. COURSE IN GERMAN CLASSICS. Reading from the dramas and poems of Gœthe, Schiller and Lessing. Lectures in the German language upon the classical period. Essays and oral reports upon assigned topics.

Open to students who presented three years of German, or who have taken Courses 1 and 2. 3 hours, through the year.

4. ADVANCED GERMAN COMPOSITION AND SYNTAX. Selected passages from English authors translated into idiomatic German. Original themes upon assigned topics. Study of idioms, synonyms and syntax.

Open to students who have taken Courses 1 and 2, or their equivalents; especially recommended to those who expect to teach German. 1 hour, through the year.

5. OUTLINE HISTORY OF GERMAN LITERATURE. A rapid survey of the principal movements and productions of the national literature, supplemented by assigned readings. This course is intended to serve as an introduction to the detailed study of special periods and is recommended to all students desiring to specialize in German.

Open to students who have taken Courses 1, 2, 3, or their equivalents, or by permission, to Freshmen entering with the maximum requirements. 1 hour, through the year.

6. LITERATURE OF THE NINETEENTH CENTURY.

- a. Reading and discussion of representative works of the best known authors. Lectures. Essays.

Open to students who have completed Course 3. 3 hours, through the year.

- b. A lighter elective in the Literature of the Nineteenth Century.

Open to those who presented the maximum requirement at entrance, or who have completed Course 2. 2 hours, through the year.

7. CONTEMPORARY LITERATURE. Rapid reading of current fiction and drama with discussion of modern tendencies in literature. Lectures. Essays.

Open to students who have completed Course 3. 2 hours, through the year.

8. LEGENDARY CYCLES OF THE MIDDLE AGES. A brief survey of Germanic mythology, tracing the origin and development of the principal legends. Reading of mediæval epics in modern German translation. Comparative study of the Wagnerian opera texts.

Open to students who have taken Courses 5 and 6. 2 hours, through the year.

9. LESSING'S LIFE AND WORKS. Study of his critical and controversial writings.

Open to students who have taken Courses 4 and 6. 2 hours, first semester.

10. SCHILLER'S LIFE AND WORKS. Study of his historical prose, philosophical poems and æsthetic, critical writings.

Open to students who have taken Courses 4 and 6. 2 hours, second semester.

11. GÖTTE'S LIFE AND WORKS. Survey of his life, with special reference to his prose writings.

Open to Juniors and Seniors. 2 hours, first semester.

12. GÖTTE'S FAUST. PARTS I AND II. Development of the Faust legend and the genesis of Göthe's Faust. Methods of Faust interpretation.

Open to juniors and seniors. 3 hours, second semester.

13. HEINE AND THE ROMANTIC SCHOOL. Lectures and Readings.

Open to juniors and seniors. 2 hours, second semester.

14. COLLOQUIAL GERMAN. Discussions and themes based upon German life, customs and travel.

Open by permission to students electing the advanced literary courses. 1 hour, through the year.

15. GERMANIC PHILOLOGY.

a. Gothic.

Grammar. Ulfilas' translation of the Bible. Lectures upon the development of the German language.

b. Middle High German.

Grammar. Selections from the Niebelungenlied, from Hartman von Aue, Wolfram von Eschenbach. Lectures.

Open to seniors and graduates. 2 hours, through the year.

NOTE: German is the language of the classroom and is required in all recitations.

FRENCH

MADAME DE VALLAY

1. ELEMENTARY COURSE. Grammar, thorough drill on verbs; reading works of Colin, Labiche et Martin, Sandeau, About, Michelet; Fables de La Fontaine, committed to memory; dictation, composition, conversation.

Offered to freshmen who have presented no French at entrance. 3 hours, through the year.

2. INTERMEDIATE COURSE. Grammaire Littéraire. Lectures on the history of French literature of the eighteenth century accompanied by collateral reading of representative

French authors. Drill in letter writing. English translated into idiomatic French, dictation, composition.

Open to students who have presented the minimum entrance requirements. 3 hours, through the year.

3. OUTLINE HISTORY OF FRENCH LITERATURE. Histoire de la Littérature Française. Lectures on the French literature of the seventeenth century. Collateral reading from the leading authors of the time; Boileau, Corneille, La Fontaine, Molière, Descartes, Pascal. Composition, conversation.

Open to students who have had Course 2, or have presented maximum entrance requirements. 3 hours, through the year.

4. THE PRECURSORS OF THE FRENCH ROMANTIC SCHOOL. Lectures on representative authors. Reading selections from Madame de Staël, Madame de Lafayette, Rousseau, Chateaubriand, Lamartine. Composition, conversation.

Open to students who have had Course 3 or its equivalent. 2 hours, through the year.

5. ORIGIN AND DEVELOPMENT OF THE FRENCH LANGUAGE. Lectures on the literature of the sixteenth century. Reading of selections from representative authors. Composition, conversation.

Elective, open to students who have had Course 2 or its equivalent. 2 hours, through the year.

6. CLASSICAL TRAGEDIANS AND COMEDIANS. Lectures on Racine, Corneille, Molière with a critical study of their works. Composition, conversation.

Open to students who have had Course 3. 2 hours, through the year.

7. FRENCH LITERATURE OF THE NINETEENTH CENTURY. Lectures on representative authors. Reading from works of Daudet, Victor Hugo, Rostand. Composition, conversation.

Elective, open to students who have had Course 3 or its equivalent. 2 hours, through the year.

8. ADVANCED FRENCH PROSE. Selected English authors translated into idiomatic French. Thorough study of syntax, idioms and synonyms. Brunot: Grammaire des Grammaires. Composition, conversation.

Elective, open to students who have had Course 5 and recommended to those who wish to teach French. 1 hour, through the year.

9. THE FRENCH DRAMA OF THE NINETEENTH CENTURY, with brief résumé of its earlier development. Rapid reading course. Composition based upon works read. Topics assigned for reports. Conversation.

Elective, open to students who have had Course 3. 2 hours, through the year.

10. FRENCH EPICS. Lectures on La Chanson de Roland, La Henriade, La Légende des Siècles. Reading of the Epics.

Elective, open to students who have had Course 9. 2 hours, through the year.

11. CURRENT EVENTS. Discussion of political and literary questions of the day with supplementary reading of history, novels and magazine articles in relation to subjects. The course is strictly conversational.

Elective, offered to graduates and students who have had Courses 3 and 8, or their equivalents. 1 hour through the year.

ITALIAN

MADAME de VALLAY

1. ELEMENTARY COURSE. Grammar, prose composition. Reading of short stories and plays by modern authors. Memorizing of poetry. Conversation.

Elective. 3 hours, through the year.

2. INTERMEDIATE COURSE. Reading of modern Italian prose and of simple classical dramas. Grammar, prose composition. Conversation.

Elective, open to those who have taken Course 1. 3 hours, through the year.

ENGLISH LANGUAGE AND LITERATURE

MR. PUTNAM, MISS COOLIDGE

1. THE SHORT STORY. An appreciative study of short story masters in American and European literature and of the development of the short story as a new art form. Readings, discussions, reports.

Open to freshmen. 2 hours, first semester.

2. SHAKESPEARE. A study of the language, poetry and characters in four plays of Shakespeare. Macbeth, Henry IV, Part I, The Tempest and As You Like It will be studied in 1910-1911. The primary aim is to compel intimate knowledge of the idiom, poetry and character method of a limited number of plays. The course may be elected in successive years.

Open to freshmen and sophomores. 3 hours, second semester.

3. ANGLO-SAXON. An elementary course. Anglo-Saxon primer and reader. Translation of representative prose and poetry, and a study of the Anglo-Saxon grammar. Students intending to specialize in English Literature are urged to take this course.

Open to freshmen and sophomores. Alternates with Course 21. Will be offered in 1910-11. 2 hours, second semester.

4. LINGUISTICS. A study of the grammar, idiom, and vocabulary of middle English at representative periods. Readings from Chaucer, Spenser and Milton. Incidentally the course aims to extend the knowledge and enjoyment of the literature of these masters. English 1, 2, 3 and 4 are intended to prepare the student for intelligent reading in English Literature to the present time.

Required of sophomores. 2 hours, through the year.

5. BALLAD LITERATURE. A study of the folk ballad in England, its origin, development and influence. Lectures, assigned readings, reports, discussions.

Open to sophomores and juniors. Given in alternate years. Will be offered in 1912-13. 3 hours, first semester.

6. OUTLINES OF ENGLISH LITERATURE. A study of the development of English Literature from Beowulf to Tennyson, together with the forces and types that have dominated it. Assigned readings, reports, discussions, lectures.

Required of juniors. 2 hours, through the year.

7. SHAKESPEARE. A study of the growth of the mind, art and philosophy of Shakespeare as represented in fifteen typical plays. Collateral reading on The Life of Shakespeare, theories of the sonnets, Baconian hypothesis, and other allied topics. Lectures, reports, discussions.

Students taking English 7 are urged to take English 2 as preparation.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered in 1911-12. 3 hours, first semester.

8. ENGLISH DRAMA. The origin and development of the English drama to the closing of the theaters in 1642. A study of representative masterpieces of the great playwrights. Lectures, reports, theses. Prerequisites English 2 and English 7.

Open to juniors and seniors. Given in alternate years. Will be offered in 1911-12. 3 hours, second semester.

9. THE ESSAY. A study of its types and characteristics. Extended reading in the works of the great essayists, including Bacon, Addison, Steele, Macaulay, Carlyle, Lamb, Hazlitt, Emerson, Lowell, De Quincy, Arnold and Stevenson. Reports, discussions, lectures.

Open to juniors and seniors, and to students who have taken Course 21. Given in alternate years. Will be offered in 1910-11. 3 hours, first semester.

10. THE NOVEL. A study of the development of the English novel, its types and significance. Extended reading in the novels of the nineteenth century. Reports, discussions, lectures. The student will be held responsible for

at least fifteen novels in addition to collateral reading. Theses may be required.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 3 hours, second semester.

11. AMERICAN LITERATURE. A seminar in the development of American Literature from 1607 to 1900. Topics will be assigned, reports and theses required, wide reading insisted upon, and the class left to the conduct of its members in turn. It is designed for those who have specialized in English and who expect to teach it or to pursue graduate study.

Open to juniors and seniors. Given in alternate years. Will be offered in 1911-12. 3 hours, first semester.

12. LITERARY CRITICISM. A seminar in the history of criticism, in its literature, and in the interpretation of good literature. The aim is to acquaint the student with the elements which compose good literature and with the sources of suggestion in criticizing. Topics, assigned readings, reports, theses. Students will be required to conduct the recitations. Prerequisite English 2. Intended for students who expect to teach or to pursue graduate study and who have specialized in English. The course is limited in numbers.

Open to juniors and seniors. Given in alternate years. Will be offered in 1911-12. 3 hours, second semester.

13. NINETEENTH CENTURY LITERATURE. A seminar in the literature of England since 1800. The essay, the novel, the drama, and poetry are treated in outline. Readings, reports, discussions, lectures.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 3 hours, first semester.

14. NINETEENTH CENTURY POETRY. A seminar in the poetry of England from 1798. A minute study of Wordsworth, Tennyson and Browning, together with lec-

tures and discussions of the other poets of the century. Reading, reports, theses.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 3 hours, second semester.

15. **ANGLO-SAXON.** An advanced course for students specializing in English or German. A careful study of the grammar and diction of Old English. Reading of Beowulf entire and poems from Cædmon and Cynewulf. Prerequisite English 3.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 2 hours, through the year.

16. **BROWNING.** A seminar in the poetry and philosophy of Robert Browning. Lectures, papers, discussions.

Open to juniors and seniors. 1 hour, through the year.

17. **THE NOVEL.** A study of great novel literature and great novelists. The reading is not limited to the English novel, but includes masterpieces from the American, Russian and French. The aim is to give the student a wide, critical knowledge of what is great in the novel of every literature. Lectures, discussions, assigned readings. Course 17 does not cover the field of Course 10; both may be counted toward a degree. Students are urged to take Rhetoric 2 as a prerequisite.

Open to juniors and seniors. Given in alternate years. Will be offered in 1911-12. 3 hours, through the year.

19. **WORDSWORTH, TENNYSON, BROWNING.** A critical reading course. Assigned readings, lectures, reports.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered in 1911-12. 2 hours, first semester.

20. **CARLYLE, RUSKIN, ARNOLD.** A study of their social philosophy and prose style. Assigned readings, lectures, reports.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered in 1911-12. 2 hours, second semester.

21. THE ESSAY. A study of the development of the essay as a distinct form. Readings from the lives and works of the essayists. Also, subordinate work in the lyric. A course in criticism and appreciation. Readings, discussions, reports.

Open to freshmen and sophomores. Alternates with Course 3. Will be offered in 1911-12. 2 hours, first semester.

Courses 1 to 10 are open to special students if their preparation is sufficient to warrant the instructor in admitting them.

Courses 7 to 15 are open to graduate students specializing in English, but an exceptional standard of work in quantity and quality will be expected of them.

The head of the department will oversee any additional research work which graduate students or undergraduates specializing in English may desire to pursue.

RHETORIC

MR. PUTNAM, MISS MELOY

1. ENGLISH COMPOSITION. Daily or weekly themes. Study of a text-book. Application of the principles of description, narration, exposition and argumentation. Assigned readings, reports, discussions, classroom analyses and criticism. A general outline course in the fundamentals of rhetoric.

Required of freshmen. 2 hours, through the year.

2. NARRATION. An advanced course in the rhetoric of emotion. A study of the principles of description and narration and their application in daily and weekly themes. Assigned readings in narrative masterpieces, especially in the short story. Reports, discussions, classroom criticism.

Open to sophomores and juniors. Given in alternate years. Will be offered in 1910-11. 2 hours, through the year.

3. ARGUMENTATION. An advanced course in the rhetoric of thought. A study of the principles of exposition and argumentation, of conviction and persuasion. Text-books, assigned readings in the masterpieces, reports, dis-

cussions, criticism. Constant practice in preparation of notes, outlines, briefs and themes. The aim is to cultivate clear thinking and effective expression.

Open to sophomores, juniors and seniors. Given in alternate years. Will be offered 1911-12. 2 hours, through the year.

4. **POETICS.** A study of the nature, origin and development of English verse forms. Assigned readings, reports, discussions, lectures; weekly practice in the writing of original or imitative verse. The course is both a study of the literature of English verse and a practice in its production.

Open to juniors and seniors. Given in alternate years. Will be offered in 1910-11. 2 hours through the year.

If students so desire, Rhetoric 3 may be given in place of Rhetoric 2 or Rhetoric 4 in 1910-11.

5. **DRAMATICS.** A study of the principles which underlie dramatic composition. Criticism and analysis of representative dramas. Lectures, assigned readings, reports, discussions. Practice in the writing of original dramas.

Prerequisites 4 hours in Rhetoric, English 2, English 7 and English 8. The instructor reserves the right to limit the numbers taking the course.

Open to seniors. 2 hours, first semester.

BIBLICAL LITERATURE

MISS BROWNSON

1. **HISTORICAL STUDY OF THE LIFE OF CHRIST.**

Required of freshmen. 1 hour, through the year.

2. **THE APOSTOLIC AGE.** The organization of the Christian Church and the development of its life and literature during the first century.

Required of sophomores. 1 hour, through the year.

3. **OLD TESTAMENT HISTORY.** Studies in the development of the Hebrew people, the growth of political

institutions, the influence of other nations, the religious life, the literature.

Required of juniors. 1 hour, through the year.

4. OLD TESTAMENT PROPHECY. A study of the development and characteristics of prophecy, the place of the prophets in the life of Israel, the relation of prophecy to history, Messianic prophecy.

Required of seniors. 1 hour, through the year.

5. HEBREW POETRY. A study of the poetry of the English Old Testament, especially the Psalms, the Proverbs.

Elective, open to juniors and seniors. 2 hours, first semester.

6. HISTORICAL GEOGRAPHY OF PALESTINE. The land in its physical aspects, the place of Syria in history, the interpretation of the Bible by geographical study, detailed survey of the country.

Elective, open to juniors and seniors. 2 hours, one semester.

7. BIBLICAL ARCHÆOLOGY. Studies of the results of modern exploration in Biblical lands.

Elective, open to juniors and seniors. 2 hours, one semester.

MATHEMATICS

MR. MARTIN

1. SOLID GEOMETRY. Theorems and constructions as given in Durell's *Solid Geometry*. Solution of numerous original exercises, including loci problems. Application to the mensuration of surfaces and solids.

Required of freshmen. 3 hours, first semester.

2. PLANE AND SPHERICAL TRIGONOMETRY. Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles. Proofs of principal formulas, in particular for the sine, cosine and tangent of the sum and difference of two angles, of the double angle and the half angle, the product expressions for the sum or

the difference of two sines or of two cosines; the transformation of trigonometric expressions by means of these formulas. Solution of trigonometric equations. Theory and use of logarithms. Solution of right, oblique and spherical triangles, and practical applications.

Conant's Plane and Spherical Trigonometry with Tables is used as a text-book.

Required of freshmen. 3 hours, second semester.

3. ALGEBRA. Required of freshmen who are deficient in requirements for admission as given in III. Mathematics, Note, page 26.

1 hour, first semester.

4. HIGHER ALGEBRA. Permutations and combination. Complex numbers with graphical representation of sums and differences. Determinants including the solution of linear equations. Numerical equations of higher degree and the theory of equations, with graphical methods, including Descartes' rule of signs and Horner's method.

Students intending to pursue the courses in higher mathematics are required to elect this course. Prerequisite Course 2, or may be taken parallel with Course 2. 2 hours, one semester.

5. HISTORY OF MATHEMATICS. This course is offered in the belief that it is essential to a thorough understanding of elementary mathematics. It treats of the development of mathematics from the earliest known times to the invention of analytic geometry by Descartes in 1637. The subjects considered are Number Systems, Numerals, Arithmetic, Algebra and Geometry.

References: Histories of Mathematics by Ball, Fink, Gow and Cajori; Fine's *Number-systems of Algebra*, Smith's *Teaching of Elementary Mathematics*, and Schubert's *Mathematical Essays and Recreations*.

Prerequisite Course 2. 2 hours, one semester.

6. ANALYTIC GEOMETRY, PLANE AND SOLID.

Smith and Gale, *Elements of Analytic Geometry*, is used as a text-book.

Prerequisite Course 2. 3 hours, through the year.

7. DIFFERENTIAL AND INTEGRAL CALCULUS. An introductory course.

Prerequisite Course 6. 3 hours, through the year.

8. HISTORY OF HIGHER MATHEMATICS.

Prerequisite Course 7; or may be taken parallel with Course 7. 2 hours, one semester.

ASTRONOMY

MR. MARTIN

1. ASTRONOMY, descriptive and historical. Elementary facts and principles with mathematical exercises. Location of principal constellations with field and laboratory work.

The College owns a good $4\frac{1}{4}$ inch refracting telescope, which is at the disposal of the student for observing the sun, moon, stars and nebulae.

Prerequisites, Mathematics, Courses 1 and 2. 2 hours through the year.

PHYSICS

DR. HOGUE

1. ELEMENTARY PHYSICS. The class work will consist of lectures on the subjects of mechanics, sound, light, heat, electricity and magnetism. As far as possible these are illustrated by lecture table experiments. Carhart's *University Physics* will form the basis of the lecture work.

In the laboratory the students are first instructed in the methods of accurate measurement and in the laws governing the equilibrium and motion of bodies. Later they make determinations of electrical quantities, and problems in heat, sound and light are studied.

Elective. 3 hours, through the year.

CHEMISTRY

DR. HOGUE

1. GENERAL INORGANIC CHEMISTRY. This course does not presuppose a knowledge of Chemistry. It consists of lectures and recitations on the history, occurrence, preparation and properties of the more important non-metallic and metallic elements. Classroom work is supplemented by work in laboratory, where each student prepares and transforms the chief substances studied. The text-books used are Kahlenberg's *Outlines of Chemistry* and Keiser's *Laboratory Manual*.

3 hours, through the year. Laboratory work, 4 hours weekly.
This Course, or Course 1 in Biology, required of sophomores,

2. QUALITATIVE ANALYSIS. This course consists of lectures, reviews and laboratory work. Ample practice in identifying unknown substances is given to each student. The text-book used is A. A. Noyes' *Qualitative Analysis*.

Elective, open to students who have completed Course 1. 3 hours, first semester. Laboratory work, 2 hours weekly.

3. QUANTITATIVE ANALYSIS. Lectures and laboratory work in gravimetric and volumetric methods.

Elective, open to students who have completed Courses 1 and 2. 3 hours, second semester. Laboratory work, 2 hours weekly.

4. ORGANIC CHEMISTRY. Typical organic compounds, their relations and transformations are studied. In the classroom the work is pursued by lectures and reviews. In laboratory, the more simple organic compounds are first studied and the synthesis of more complex substances from these is then taken up. In every preparation attention is given to quantitative results. The text-books followed are Remsen's *Organic Chemistry* and Gatterman's *Practical Methods of Organic Chemistry*.

Elective, open to students who have completed Course 1. 3 hours, through the year. Laboratory work, 5 hours weekly.

5. LECTURES ON THEORETICAL CHEMISTRY. In this course a systematic study is made of the Atomic, Kinetic and Electrolytic Theories of the constitution of matter.

Elective, open to students who have completed Courses 1 and 4. 1 hour, through the year.

6. ADVANCED ORGANIC CHEMISTRY. In this course two hours a week are devoted to lectures on Methods in Organic Chemistry. Each student is assigned a problem in laboratory, which she solves according to methods used in original research. An organic compound whose composition is unknown is examined and its empirical and structural formulas are determined. This determination involves the application of the most important laboratory methods used in organic research, such as combustions, molecular weight determination, etc. It is carried on independently by the student. After the correct solution of this problem, opportunity is offered the student of starting a problem in original work. The course is especially qualified to fit students for independent research, and has that end in view.

BIOLOGY

DR. HOGUE

I. GENERAL BIOLOGY.

- a. Systematic Invertebrate Zoölogy. This course consists of lectures and laboratory work on Protozoa, Porifera, Cœlenterata, Vermes, Echinodermata, Mollusea and Arthropoda.
- b. Vertebrate Zoölogy and Embryology. Lectures given on the skeletons, the muscular, digestive, respiratory, nervous and urinogenital systems of the fish, frog, pigeon and rabbit. This is followed by a brief study of the embryology of the frog and the chick.
- c. Eight weeks of botany, including a study of the structure and physiology of typical plants; and a

systematic study of the great groups: Thallophytes, Bryophytes, Pteridophytes, Spermatophytes.

This Course or Course 1 in Chemistry required of Sophomores. 3 hours, through the year. Laboratory work, 4 hours weekly.

2. ADVANCED VERTEBRATE ZOÖLOGY AND PHYSIOLOGY. In this course the anatomy and physiology of a typical mammal are studied. The histology of the various tissues is worked out and the physiology of muscles and nerves is investigated.

Elective, open to students who have completed Course 1. 2 hours, first semester. Laboratory work, 4 hours weekly.

3. STRUCTURE OF CELL AND PROTOPLASM. This course includes a study of numerous protozoa; the structure of a cell; developmental phenomena; cell division; spermatogenesis; oögenesis.

Elective. 2 hours, second semester. Laboratory work, 4 hours weekly.

4. THEORETICAL BIOLOGY. The lectures deal largely with the history of the development of modern Biology. The works of Lamarck, Darwin, Weismann, and De Vries are discussed in connection with the theory of evolution.

Elective. 1 hour, through the year.

5. EXPERIMENTAL MORPHOLOGY. The object of the course is to familiarize the student with some of the more important problems of experimental morphology and with the methods of dealing with them. The work consists of lectures and laboratory experiments.

Elective. 2 hours, through the year.

EXPRESSION

The aim of this department is to foster in the student a larger appreciation of the truth and beauty of great prose and verse, and at the same time to develop the power of expressing to others the results of such literary work. Expressional study of the best kind cultivates beauty of

speech, trains the intellect, educates the emotions and puts the student into full command of the forces of body and mind.

Elective courses are offered for all college classes, and private work may be arranged for by consultation with the instructor. Persons not registered for courses in other departments may become special students in Expression.

Students' recitals are occasionally given.

EXPRESSION COURSES

MISS KERST

I. GENERAL PRINCIPLES OF VOCAL EXPRESSION. Studies in voice, diction, melody, phrasing, rhythm, gesture, attitude, pronunciation and correct utterance. Selections are analyzed and students are assigned definite work for presentation before the class. Exercises for poise, presence, bearing; for grace and ease of manner; for breathing. Criticism and helpful suggestions are given.

Elective, open to freshmen. 1 hour, through the year.

2. PRINCIPLES OF VOCAL EXPRESSION. The study of thought processes in their relation to utterance. Technical vocal training, the placing of tones, compass, the development of resonance, flexibility, freedom, smoothness, purity and power. The eradication of faults in the use of the voice.

This is distinctly a practice course, in which the student applies the principles underlying all art. Selections include description, narration, oration, exposition and essay; epic, lyric and dramatic poetry. Critical analysis of the selections is made and personal criticism and guidance given in their rendition. Platform recitations are made by the student for criticism.

Elective, open to sophomores. 1 hour, through the year.

3. READING COURSE. Shakespeare, Browning, Tennyson.

Elective, open to juniors. 1 hour, through the year.

4. PRINCIPLES OF VOCAL EXPRESSION AND LITERARY INTERPRETATION. Studies in paraphrasing; types of utterance; emotion; volition; musical properties of speech; vocal technique; gesture.

Elective, open to seniors. 1 hour, through the year.

MUSIC

MR. WHITMER, MME. GRAZIANI

THEORETICAL COURSES

MR. WHITMER

1. HARMONY. Study of chords in both modes. Ear training analysis, harmonization. Immediate application of knowledge to composition of pieces in simple forms.

1 hour, through the year.

2. COUNTERPOINT AND COMPOSITION. Early and modern contrapuntal methods contrasted. Detailed study of melodic and rhythmic construction, with practical application to composition.

Open to students who have taken Course 1. 1 hour, through the year.

3. DOUBLE COUNTERPOINT, CANON AND FUGUE. Analysis and composition.

Open to students who have taken Courses 1 and 2. 1 hour, through the year.

4. MUSICAL FORMS AND FREE COMPOSITION. Analysis of both normal and radical musical formations with immediate practice. Development of freedom in use of material.

Open to students who have taken Courses 1 and 2. 1 hour, through the year.

5. ORCHESTRATION. Detailed theoretical and practical study of orchestral instruments, their individual characteristics and their relation to the score. Score reading.

Open to students who have taken Courses 1, 2 and 3. 1 hour, through the year.

6. HISTORY OF MUSIC. Study of the great works, composers, and virtuosi. Development of notation. Comparative study of musical periods.

Open to students who have taken or are taking, Course I. 1 hour, through the year.

7. APPRECIATION OF MUSIC. A free and untechnical study of men, masterpieces and criticism. Brief programs are given in connection with the lectures.

Open to all students. 1 hour, through the year.

Two hours of music may be counted toward a degree on condition that one hour is theoretical instruction, with which one hour of practice work may be combined by permission of the Faculty.

The College believes in the cultural power of music and in its value in the higher education of women. It expects to enlarge the courses and to keep music on the high intellectual plane which is being increasingly accorded to it by colleges.

Information concerning practice courses in all departments of music may be found on pages 78-88.

ART

Lectures are given through the year by non-resident professors and the great masterpieces of painting, sculpture and architecture are made familiar to the student. The Carnegie Institute art collections are visited under the direction of artists.

LECTURES

The following list comprises the lectures delivered to students as part of the academic work. They are given at a morning lecture hour and attendance is required.

1909

Oct. 13,	Dr. Robert Christie	- - - - -	Robert Burns
" 20,	Miss Mary W. Brownson	-	The Genevan Jubilees of 1909
" 28,	Miss Christine Miller	- - - - -	Recital
Nov. 10,	Miss Emma M. Campbell	- - - - -	
	- - - - -		Reminiscences of Cornwall and Devon

- Nov. 17, Mr. H. D. W. English - Pittsburgh's Civic Commission
 " 19, Mr. T. Carl Whitmer, Miss Vanda E. Kerst - - -
 - - - - - Lecture Recital, "Pelleas and Melisande"
 Dec. 1, George Kiernan - - - - Reading—"Rip Van Winkle"
 " 3, Mme. Elise Graziani, Mr. Luigi von Kunits - Recital
 1910
 Jan. 12, Dr. Jas. A. Kelso - - Latest Discoveries in Bible Lands
 " 19, Mrs. Katharine Oliver McCoy - - - - -
 - - - - - Confessions of a Literary Pilgrim
 " 21, Mr. T. Carl Whitmer, Miss Pauline Harrington -
 - - - - - Recital, Early Music
 Feb. 2, Miss Luella P. Meloy - - - - The Homeless Child
 " 10, Rev. John Alison - - - - - Prayer
 (Day of Prayer for Colleges.)
 " 16, Mrs. Florence Howe Hall - - - - -
 " "Famous People I Have Met in My Father's House"
 " 23, Mr. George W. Putnam - - - - The Modern Drama
 Mar. 3, Mr. Henry George, Jr. - - - - - Japan
 " 9, Mme. Josephine P. de Vallay - - - - -
 - - - - - Reminiscences of French School Life

RELIGIOUS AND SOCIAL LIFE

The College is thoroughly Christian in spirit and influence, but undenominational in its management and instruction. Students are expected to be present at daily prayers in the Chapel, and resident students to be regular attendants at church on Sunday mornings and at the Sunday Vesper services in Berry Hall. The Young Women's Christian Association maintains a mid-week prayer meeting and weekly Bible classes; and it contributes to mission work at home and abroad. Systematic Bible study is one of the college requirements, and four hours of such work are prescribed along the lines of literature and history. The daily life of the residence halls is regulated by student government, under the direction of the house president and executive committee, who are elected by the students, subject to the approval of the Dean. Arrangements for the comfort and well-being of resident students are made by the Dean, and the social plans of all classes are submitted to her before action is taken. General receptions for students and their friends are held at mid-year, and in connection with the

Commencement exercises. Smaller gatherings of Faculty and students occur at intervals throughout the year. The traditional College celebrations are those of Hallowe'en, Christmas, Saint Valentine's Day, and May Day, participated in by the student body. The separate classes take the initiative in more informal entertaining at suitable times. The Young Women's Christian Association gives a reception to new students at the beginning of the year, and conducts various benefits during the year for the support of its benevolent and missionary work.

STUDENTS' CLUBS AND ASSOCIATIONS

The Omega Society has a membership chosen with respect to scholarship and literary ability. Its work is the promotion of an interest in literature, and the providing of opportunities for practice in the art of expression. The Society holds occasional open meetings for the presentation of special programs.

The Young Women's Christian Association holds weekly prayer meetings and monthly missionary meetings. It has organized Bible classes. The Association maintains a scholarship in a missionary school in Oratu, Japan, and it is responsible for the equipment of a room in the Young Women's Christian Association Building in Pittsburgh. Delegates are sent to the Annual Conventions at Mountain Lake Park, and an active part is taken in all work looking toward the strengthening of the religious forces of the institution.

The Athletic Association is a wide-awake organization which affords the students of the College an opportunity to play basketball, tennis and all out-door games. It is the aim of the Association to foster the growth of college spirit, and also to help with the running expenses of the tennis court and the basketball teams. Through the efforts of the members some very valuable apparatus has been purchased for the gymnasium.

The Dramatic Club has for its work the critical study of pieces of dramatic literature as a means of personal cul-

ture for its members, and the occasional presentation of carefully selected plays. The principal event of the club year is the production of Senior Dramatics at Commencement time. In 1909 the play presented was Shakespeare's *As You Like It*.

The Glee Club furnishes an excellent opportunity for training in voice. The club responds to many calls for its services at college affairs and occasionally in the city, and gives an Annual Concert. It has an enthusiastic membership and its work is much valued in the college life.

The Mandolin Club is a recent organization, but its work is showing rapid progress, and it has won a popular position among the college clubs.

SCHOLARSHIPS AND PRIZES

Two scholarships are open to students of ability who expect to pursue regular courses of study, but who need financial aid in meeting the necessary expenses of a college education.

1. THE HELEN E. PELLETREAU SCHOLARSHIP. A fund has been raised by the Alumnae to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved President of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Miss Eleanor J. Stevenson, 3501 Fifth avenue, Pittsburgh.

2. THE MARY HAWES NEVIN SCHOLARSHIP. To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family has given the sum of \$6,000 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious for the advantage of a college course.

The Helen E. Pelletreau Scholarship is awarded by the Scholarship Committee of the Alumnae Association; the Mary Hawes Nevin Scholarship, by Mrs. John I. Nevin.

These scholarships are held for one year, but may be renewed upon application.

The Annie Dickson Kearns Medal is a prize founded by Mrs. William L. Coyle in memory of her sister, Miss Annie Dickson Kearns. It is a gold medal awarded annually to the member of the Senior class who shall have attained the highest average standing for the Junior and Senior years of the college course.

CORRESPONDENCE

Business inquiries and letters concerning the entrance of students should be addressed to Pennsylvania College for Women, Pittsburgh, Pa. Personal letters or particular communications of parents in regard to their daughters should be sent to the President, Rev. Henry D. Lindsay, D.D., or to the Dean, Miss Cora Helen Coolidge.

TEACHERS' REGISTRY

The College is deeply interested in the welfare of its Alumnae, and is willing to coöperate actively with those who desire to secure teaching positions. A registry will be kept for the purpose, and eligible candidates will be recommended to schools desiring to fill vacancies in their faculty lists.

DEGREES CONFERRED IN 1909

BACHELOR OF ARTS

Beard, Irma Haynie	Wilkinsburg
Coburn, Enid Gladwin	Pittsburgh
Cohen, Eva Marie	Pittsburgh
Coulter Mary Emma	Canonsburg
Estep, Leila Anna	Pittsburgh
Jarecki, Carla Dorothea	Sandusky, O.
Tatnal, Edna Grace	Pittsburgh

GRADUATE STUDENTS

Beard, Irma Haynie, B.A., 1909	Wilkinsburg
Coburn, Enid Gladwin, B.A., 1909	Pittsburgh
Cohen, Eva Marie, B.A., 1909	Pittsburgh
Hooker, Arline Burmah, B.A., 1903	Pittsburgh
Lindsay, Mary Drennan, B.A., 1909	Pittsburgh

SENIORS

Kramer, Mary Alice	Pittsburgh
McKibben, Elma Lenore	Pittsburgh
Tassey, Ethel Belle	McKeesport

JUNIORS

Blakeslee, Clarissa Reta	Manorville
Cameron, Frances Alden	Edgewood
Carpenter, Sara Reynolds	Wilkinsburg
Crowe, Mabel Florence	Pittsburgh
Darrah, Alice Lillian	Pittsburgh
Diescher, Irma Jessie	Pittsburgh
Gray, Frances	Pittsburgh
Greene, Margaret	Hoosick Falls, N. Y.
Hamilton, Minerva	Edgewood
McClymonds, Belle Vance	Wilkinsburg
McCullough, Margaret May	Wilkinsburg
Medley, Edith Mary	Pittsburgh
Supplee, Rosalie	Wilkinsburg
Trussell, Elma Marie	Carrick
Wayne, Gertrude Jeannette	Braddock
Wilson, Florence Kerr	Wilkinsburg

SOPHOMORES

Bickel, Florence Emma	Pittsburgh
Bowes, Annie Harriet	Pittsburgh
Chaddock, Edith Melvina	Pittsburgh
Davies, Elizabeth Frances	Munhall
Davis, Eleanor	Oakmont
Demmler, Maude Eleanor	McKeesport
Dulaney, Grace Edna	McKeesport
Estep, Elvira	Pittsburgh
Gray, Mary Rariden	Pittsburgh
Grooms, Helen Herd	Pittsburgh
Hardy, Mary Rebecca	Pittsburgh
Hickson, Hazel Fay	Butler
Kim, Martha Amanda	Pittsburgh
Lindsay, Lillie Arndt	Pittsburgh
*McQuiston, Rachel Dalzell	Pittsburgh
Pierce, Beulah Vera	Pittsburgh
Reitz, Edna Marie	Oakmont
Sands, Martha Josephine	Pittsburgh
Sharp, Daisy Cochrane	Pittsburgh
Stahlmann, Calla Loree	Vandergrift

*Advanced Credit.

FRESHMEN

Blair, Helen Eliza	Pittsburgh
Cameron, Christine Etholine	Edgewood
Clark, Laila Lenore	Pittsburgh
Colestock, Claire	Indianapolis, Ind.
Corbett, Margaret Hunter	Wilkinsburg
Donehoo, Elizabeth Kirk	Pittsburgh
Fletcher, Louise Emily	Jamestown, N. Y.
Frey, Marguerite Louise	Pittsburgh
Geiselhart, Emma Henrietta	Pittsburgh
Gray, Jeanne MacLean	Pittsburgh
Keen, Mary Catherine	Pittsburgh
Kingsbacher, Florence	Pittsburgh
Layman, Lucy Abbott	Pittsburgh
McCague, Elizabeth Snowden	Sewickley
McHenry, Lillian Belle	Washington
Minor, Margaret	Pittsburgh
O'Neill, Esther Amelia	Altoona
Richards, Bertha Louise	Braddock
Rosenbloom, Esther Gertrude	North Braddock
Shutt, Maude Etta	Warren
Stoeltzing, Alice	Pittsburgh
Stuckslager, Sarah Huffman	McKeesport
Titzell, Marguerite Gates	Kittanning
Wallace, Frances Josephine	Pittsburgh
Wayne, Sylvia	Braddock
Weihe, Elsie Naomi	Connellsville
Wilson, Grace McMaster	Pittsburgh
Young, Martha Elizabeth	Vandergrift

STUDENTS IN SPECIAL COURSES

Aiken, Ruth Thompson	Pittsburgh
Bonsall, Margaret	Pittsburgh
Browarsky, Sadie	Pittsburgh
Campbell, Mary Arkell	Pittsburgh
Carter, Martha Rodes	Pittsburgh
Crandall, Evelyn Frances	Warren
Crowe, Elizabeth	Pittsburgh
Curtner, Flo Wilma	Carlisle, Ind.
Duff, Helen Clare	Aspinwall
Early, Cora E.	Pittsburgh
Ferrier, Margaret Routh	Pittsburgh
Field, Lillian Hawcette	Pittsburgh
Gibboney, Mary Dorcas	Wytheville, Va.

Herdman, Edna May	Swissvale
Homer, Susie Iona	Mercer
Horst, Amelia Ursula	Pittsburgh
Lambie, Margaret McCandless	Wilkesburg
Larimer, Anna Irene	West Newton
Leedom, Aurora Fansler	Columbia, Mo.
Neel, Frances Folsom	Dravosburg
Peck, Ruth	Concordia, Kan.
Rea, Marianne	Pittsburgh
Shoemaker, Henrietta	Pittsburgh
Shurmer, Lena Lucile	West View
Smith, Ionia Fairchild	Clarksburg, W. Va.
Spiher, Freda Maude	Vandergrift
Sterling, Margaret Roney	Ingram
Stitt, Vivian Jane	Vandergrift
Stuckslager, Helen Beam	McKeesport
Taylor, Ruby Myrtle	Pittsburgh,
Waters, Hilda Johnston	Pittsburgh
Wehling, Elsie Dean	Bellevue
Weston, Anna Mildred	Gallitzen
Wickersham, Olive Myrtle	Pittsburgh
Woodburn, Olive Frances	Pittsburgh

ALUMNAE ASSOCIATION

The Association has its headquarters at the College, and holds its annual meeting in the Assembly Hall on the Friday preceding Commencement Day. It publishes annually the *Alumnæ Recorder*, containing a list of graduates, corrected by the latest information obtainable, and many items of interest concerning Alumnæ and former students.

The officers of the Association for the year 1909-1910 are: President, Miss Belle McConnell, '80; Vice-President, Mrs. Thomas Hannah, '97; Secretary, Miss Hilda R. Sadler, '03; Treasurer, Miss Elizabeth McCague, '98; Editors of Recorder, Mrs. Charles McKnight, '80, Chairman; Mrs. R. O. Fulton, '94; Miss Edith Gray, '06; Mrs. John M. Irwin, '03, Advisory Member.

The Association is in full sympathy with college plans and purposes, and manifests its feeling in very practical ways. Two clubs of recent Alumnæ have been organized, members of the classes between 1890 and 1900 forming

Decade Club I, and graduates from 1900 on constituting Decade Club II. The Alumnae Lecture Committee has again undertaken to raise and administer a fund by means of which lectures may be given in the Assembly Hall for the benefit of undergraduates and Alumnae. On February 16th, Mrs. Florence Howe Hall presented the subject of "*Famous People I have Met in My Father's House.*" A second lecture in this course is to be given at a later time.

The Association as a whole has taken up the work of furnishing the new residence Hall, and in addition to securing individual subscriptions from members and friends, and to enlarging the fund already in hand by the returns from lectures and entertainments given in 1909, is planning with energy and enthusiasm for the completion of its task.

FEES		PER YEAR.
Tuition		\$125.00
Room rent, including light and heat		100.00
Table board		175.00
Physical Training—		
Private lessons, twice a week		50.00
In classes of four, twice a week		25.00
Expression—		
Private lessons, twice a week		25.00
Laboratory—		
Biology, or Chemistry		15.00
Physics		5.00
Tutoring, per hour		1.00
Private Examination		2.00
Diploma—		
Bachelor of Arts		5.00
Master of Arts		10.00
Laundry, plain pièces, per dozen . . . . .		.50
Luncheon, for day students . . . . .		.25
Boarding during vacation, per week		7.00

REGULATIONS FOR PAYMENT

Tuition will be remitted to resident students who are daughters of ministers. A reduction of \$25.00 will be made to day students who are daughters of ministers or of teachers.

All bills for boarding, tuition and extras are due, one-half at the beginning of the college year and the remainder on February 1. Checks should be made payable to Pennsylvania College for Women.

All arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

As engagements with instructors and other provisions for the education of students are made by the College for the entire year in advance, *no deduction can be made in the charge for tuition for either resident or day students.*

No degrees will be conferred unless all bills due to the College by the candidate have been paid.

APPLICATION FOR ROOMS

All applications will be registered and rooms not engaged by former students will be assigned according to the date of application. There are a few double rooms, but the bedrooms are generally arranged in suites of two single rooms. Any information concerning the rooms will be given upon application to the Dean.

Resident students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for resident students from *the date at which they had engaged to enter their daughters or wards until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness, when the loss for board and room will be equally shared.*

All unnecessary wear of carpets, furniture, etc., is charged to the students occupying the room.

COURSES IN SOCIAL SERVICE

COURSES IN SOCIAL SERVICE

THE purpose of these courses is to give opportunity for the study by practical methods of charitable, corrective, neighborhood, church and kindred forms of social work, particularly for young women who would prepare themselves for service in institutions and agencies, whether under private management or public administration, to serve either as paid officials or volunteers. The courses aim to consider the fundamental principles of sociology and the social problems of common interest and to give a broad outlook over this field of work. They aim to combine theoretical study with practice as the best preparation for intelligent and efficient service. The theoretical course will be given in the college rooms, and the practical training at the coöperating institutions or agencies under the immediate direction of those in charge.

Two courses are offered, each of which will lead to a special certificate, the first requiring one and the second two years for completion. In both cases, theory and practice are combined. The one course assigns as practical work observation in several carefully selected institutions along different lines of activity, to enlarge the student's knowledge and to enable her to decide intelligently the question of future specialization. The second year is professional or technical, with definite practice work in the field chosen.

Only in a large city where many kinds of social work are being actively carried on is such training possible as these courses offer. Pittsburgh is alive on these subjects and is gathering experts from all parts of the country; many institutions and agencies are ready to coöperate at once in giving the young women opportunity for observation and practice. The demand for good social workers

throughout the country is to-day greater than the supply. Use of such rare opportunities as these courses offer in Pittsburgh is of exceptional value in preparation for social service of any kind.

Among the institutions and agencies coöperating in these courses are:

The Associated Charities of Pittsburgh.
Carnegie Home Library Clubs, of the Children's Department, Carnegie Library,
Columbian Settlement,
Juvenile Court,
Kingsley House,
Pittsburgh Free Kindergarten Association,
Pittsburgh Playground Association,
Young Women's Christian Association.

Many experts in social work in Pittsburgh have offered individual coöperation. Students in the Social Service courses will receive instruction from the faculty in allied departments such as Bible, Ethics, Psychology, Education, Sociology and English, as well as from special workers. Lectures will be given and social problems presented by persons of rare experience in their lines of work.

COURSES IN CONNECTION WITH THE REGULAR CURRICULUM. The courses in theory and observation taken in the one-year course in Social Service may be elected by a regular college student during the first three years in place of other electives; the second year of the two-year course may be elected by a regular student during the fourth year with the practice work amounting to six hours weekly, the equivalent of two semester classroom hours, in place of any other two-hour electives and may lead to the degree of Bachelor of Arts. This enables a student to have a regular college course and be well informed on social work as carried on to-day, or be fitted for paid work.

SPECIAL STUDENTS. An applicant for admission must be eighteen years of age. She must have a High School diploma or its equivalent, or experience in some form of

social work; in special cases she may substitute for either of these requirements some definite indication that she is likely to take up the work with profit. Arrangements may also be made for women who have already done social work and who wish particular courses in either theory or practice.

Satisfactory references are required to show that the applicant has the character and the purpose necessary to success in these lines of work; a personal interview with the President may be demanded.

PRICE. The regular college tuition fee will be charged for the courses in Social Service, one hundred and twenty-five dollars a year, payable in September and February. The college dormitory will be open to such students at regular rates. Correspondence invited.

MUSIC SCHOOL

FACULTY

HENRY D. LINDSAY, D.D., PRESIDENT

T. CARL WHITMER, DIRECTOR

ELISE GRAZIANI

Singing.

LUIGI von KUNITS

Violin.

CLARE WARD HUMPHREY

Piano.

MUSIC

Unusual opportunities are offered at Pennsylvania College for Women for the study of this branch of Art. The Music School connected with the College has been enlarged and reorganized; and all the instructors have had foreign study and training in the subjects placed under their direction. Sixteen pianos are available for daily practice; and a fine three-manual and pedal pipe organ, with electric blower, makes it possible for students to secure great advantages in the way of practical work. Instruction is given in Grand Organ, Piano, Voice, Violin, Cornet and other instruments, if desired.

Students taking college courses may have two hours of music counted toward a degree, on condition that one hour is theoretical instruction, with which one hour of practice may be combined by permission of the Faculty. A descriptive list of music courses which carry college credit will be found on pages 58-59.

A wide range of electives has been also provided for music students who are not candidates for the B. A. degree. Satisfactory completion of a definite amount of theoretical and practical work will entitle students to receive certificates in Piano, Organ, Singing and Musical Pedagogy. A detailed statement is given on pages 80-84 of the courses offered in the Music School, and of the requirements for a certificate in any one of the departments.

It has been the constant aim of the Director to have the teaching in every line of work based on correct comprehension of the laws of the mind. The system of piano study used is rational in every respect, and represents the highest form of musical pedagogy so far reached. The student is trained to think, to practice, to memorize, to play, to teach.

Constant appeals are made to the mind and thought, thus building up and educating the student to a positive technic, repose, accuracy and a wide range of expressive power.

The organ work is upon the same intellectual plane as that of the piano. Sight reading, modulation, transposition and improvisation are studied methodically and problems of technic are systematized.

The development of the memory receives especial attention in order that the student may not only acquire a large repertoire but have it constantly available for use.

THEORETICAL COURSES

1. HARMONY. Study of chords in both modes. Ear training analysis, harmonization. Immediate application of knowledge to composition of pieces in simple forms.

1 hour, through the year.

2. COUNTERPOINT AND COMPOSITION. Early and modern contrapuntal methods contrasted. Detailed study of melodic and rhythmic construction with practical application to composition.

Open to students who have taken Course 1. 1 hour, through the year.

3. DOUBLE COUNTERPOINT, CANON AND FUGUE. Analysis and composition.

Open to students who have taken Courses 1 and 2. 1 hour, through the year.

4. MUSICAL FORMS AND FREE COMPOSITION. Analysis of both normal and radical musical formations with immediate practice. Development of freedom in use of material.

Open to students who have taken Courses 1 and 2. 1 hour, through the year.

5. ORCHESTRATION. Detailed theoretical and practical study of orchestral instruments, their individual characteristics, and their relation to the score. Score reading.

Open to students who have taken Courses 1, 2 and 3. 1 hour, through the year.

6. HISTORY OF MUSIC. Study of the great works, composers, and virtuosi. Development of notation. Comparative study of musical periods.

Open to students who have taken, or are taking, Course 1. 1 hour, through the year.

7. APPRECIATION OF MUSIC. A free and untechnical study of men, masterpieces and criticism. Brief programs are given in connection with the lectures.

Open to all students. 1 hour, through the year.

COURSES IN SINGING

1. ELEMENTARY COURSE. Lessons in deep breathing. Special work for placing the voice. Tone production and the uniting of registers. Exercises and Vocalises. Easy solos and part songs.

2. INTERMEDIATE COURSE. Studies in scales, arpeggios. Exercises in enunciation of English words. Vocalises in Italian. Advanced songs by the best composers.

3. ADVANCED COURSE. Studies in phrasing and flexibility. Advanced vocalises. Studies in recitatives and easy arias from operas and oratorios.

4. CONCERT STUDY. Advanced work in all lines previously taken up. Recitatives and arias from Italian and German operas and standard oratorios. Special preparation for concert work. Studies in sacred music, both choral and solo.

Class work, choral and sight reading is required throughout the course.

REQUIREMENTS FOR CERTIFICATE IN PIANO

1. PRACTICAL. The presentation of a program at graduation which will be the equivalent of the following:

- (1) Caprice (Alceste), *Gluck—Saint Saens.*
- (2) Etude IV, *Paganini-Liszt.*
- (3) Etude V, *Paganini-Liszt.*
- (4) Etude, Op. 25, No. 10, *Chopin.*

- (5) Adagio from Sonata, Op. 2, No. 2, *Beethoven*.
- (6) Suite No. 1, *Kathalene Baker*.
- (7) Polichinelle, *Rachmaninoff*.
- (8) Sonata, No. 4, *MacDowell*.
- (9) Jeux d' Eau, *Maurice Ravel*.
- (10) Etude III (La Campanella), *Paganini-Liszt*.

2. THEORETICAL. Harmony and Single Counterpoint in four parts, five species. An example of Counterpoint no less than forty-eight measures in four parts, mixed species, to be submitted a month before Commencement. A hymn tune over words to be selected by the Director. A composition in minuet form.

3. HISTORICAL. The course as outlined in Baltzell's History of Music, and the writing of two theses on selected phases of musical history.

4. COLLEGIATE. Seven hours of college work which may be chosen from Modern Languages, Rhetoric, English, History and allied subjects at the discretion of the President and the Dean.

REQUIREMENTS FOR CERTIFICATE IN ORGAN

I. PRACTICAL. The presentation of a program equivalent to the following:

- (1) Fantasie and Fugue in G minor, *J. S. Bach*.
- (2) Sonata in A minor, *Joseph Rheinberger*.
- (3) Overture to Midsummer Night's Dream, *Mendelssohn*.
(Arranged by Samuel F. Warren.)
- (4) Sketch in F Sharp major, *T. Carl Whitmer*.
(Pub. by Breitkopf & Härtel.)
- (5) Improvisation on a given Theme.
- (6) Symphony, No. V, *Chas. Marie Widor*.
I Allegro Vivace
II Allegro Cantabile
III Andantino quasi Allegretto
IV Adagio
V Toccata

Piano—To organists the possession of a matured piano technic is absolutely indispensable.

2. THEORETICAL. The same as that prescribed for graduation in piano.

3. MECHANICAL. Ability to tune reed pipes and to repair all ordinary disorders of the organ.

4. COLLEGIATE. The same as that prescribed for graduation in piano.

REQUIREMENTS FOR CERTIFICATE IN SINGING

I. PRACTICAL.

a. The presentation of a program equivalent to the following:

Scene and Prayer from "Der Freischuetz"	<i>Weber</i>
Aria. With verdure clad (Creation)	<i>Haydn</i>
Aria. Ah! fors e lui (Traviata)	<i>Verdi</i>
Fruehlings-lied	<i>Mendelssohn</i>
Der Nussbaum	<i>Schumann</i>
Schlummerlied	<i>Franz</i>
Die junge Nonne	<i>Schubert</i>
L'Été	<i>Chaminade</i>
Love the Pedlar	<i>German</i>
The Danza	<i>Chadwick</i>
Thy Beaming Eyes	<i>MacDowell</i>

b. The course in piano up to grade four.

2. THEORETICAL. The same as that prescribed for graduation in piano.

3. HISTORICAL. The same as that prescribed for graduation in piano.

4. COLLEGIATE. The same as that prescribed for graduation in piano.

TEACHERS' COURSE

As all conscientious teachers are anxious to acquire the best methods, the College has thought it worth while to offer a special and most helpful course for the benefit of those teachers who are so occupied with their own professional work as to be unable to register for the regular courses detailed above, and who especially wish to master principles and methods of teaching.

REQUIREMENTS FOR THE TEACHERS' CERTIFICATE

1. PRACTICAL.

- a. Ability to play through fourth grade work in piano.
- b. A teaching experience of one and one-half years.

2. THEORETICAL. The same as that prescribed for graduation in piano.

3. COLLEGIATE. The same as that prescribed for graduation in piano.

If voice or violin is elected as the major subject, piano work up to grade three will be accepted.

CHILDREN'S COURSE

Opportunity for the obtaining of practical experience by candidates for the Teachers' Certificate is afforded by the offering of a course for children, especially adapted in its mental, physical, technical and musical training to the capacity of young students. The children are taught by the advanced students under the supervision of the Director, as is the custom in training schools. While this is experience for the teacher, it also benefits the child, by presenting to him in an interesting and attractive way the correct principles of music and of piano playing, thus avoiding the formation of incorrect technical habits so common to beginners. Special rates for the Children's Course are given on page 85.

DEPARTMENT OF CHURCH MUSIC

The College is prepared to offer exceptional facilities for the study and practice of Church Music. Solo organ playing, accompanying of solos and anthems, and choir training form the work for this course.

PITTSBURGH AND ITS MUSIC

Students have splendid opportunities to hear frequently the world's greatest artists in opera and concert, usually at special reduction in price. Every winter the Pittsburgh

Orchestra issues season tickets to the weekly concerts at the low rate, to music students, of \$5.00.

All these influences are of inestimable value in a musical education, so that a college outside of a great city can never compete with one within in the formative, cultural factors always at work.

COURSES AND TERMS		Per Semester One lesson weekly	Two lessons weekly
Grand Organ		\$40	\$75
<i>Three-manual pipe organ for lessons and practice, blown by electric motor.</i>			
Piano		30	50
Voice		30	50
Violin	}	30	50
Harp			
Guitar			
Mandolin			
		PER SEMESTER	
Children's Course			30
Use of Organ, one period daily			15
Use of Piano, one period daily			10

THEORETICAL COURSES

Harmony,	}	Private Instruction at Piano rates. Class Instruction, for those not otherwise clas- sified, \$15 per semester.
Counterpoint,		
Canon,		
Fugue,		
Composition,		
Orchestration, Instrumentation.		

All arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

FREE ADVANTAGES

(Open to all Students)

Harmony Class, Ensemble Class, Choral Class, Sight-Singing Class, Class in Musical Appreciation, Glee Club, Mandolin Club. Concerts and Lectures.

MUSIC STUDENTS

PIANO

Bailey, Frances Marguerite	Pittsburgh
Beech, Hilda Grace	Wilkinsburg
Bennett, Marjorie	Cambridge, O.
Berkman, Bella Minnie	Pittsburgh
Bonsall, Margaret	Pittsburgh
Browarsky, Sadie	Pittsburgh
Calvert, Jean Armour	Charleroi
Campbell, Mary Arkell	Pittsburgh
Crandall, Evelyn Frances	Warren
Crowe, Elizabeth	Pittsburgh
Curtner, Flo Wilma	Carlisle, Ind.
Daub, Lyda Anna	Crafton
Detchon, Margaret Elliott	Pittsburgh
Dimling, Hilda Alice	Pittsburgh
Duff, Helen Clare	Aspinwall
Fournage, Eugénie	Pittsburgh
Geiselhart, Emma Henrietta	Pittsburgh
Gibboney, Mary Dorcas	Wytheville, Va.
Greene, Margaret	Hoosick Falls, N. Y.
Herdman, Edna May	Swissvale
Homer, Susie Iona	Mercer
Horner, Lucille	Crafton
Horst, Amelia Ursula	Pittsburgh
Jackson, Helen Smith	Pittsburgh
Karabasz, Pearl Helen	Pittsburgh
Lanz, Marguerite Skelton	Pittsburgh
Larimer, Anna Irene	West Newton
Layman, Lucy Abbott	Pittsburgh
Leedom, Aurora Fansler	Columbia, Mo.
Michener, Anna Pascoe	Pittsburgh
McCague, Elizabeth Snowden	Sewickley
Neel, Frances Folsom	Dravosburg
O'Neill, Esther Amelia	Altoona
Roenigk, Elizabeth Jeannette	Pittsburgh
Roenigk, Jane Mevey	Pittsburgh
Rosenbloom, Esther Gertrude	North Braddock
Rosenfield, Hermoine	Pittsburgh
Rusch, Helen Christine	Pittsburgh
Schoeneck, Helen Steeren	Pittsburgh
Shaeffer, Dena	Pittsburgh
Shurmer, Lena Lucille	West View
Smith, Ionia Fairchild	Clarksburg, W. Va.
Smith, Annie Luella	Castle Shannon

Solomon, Gertrude Darling	Beaver Falls
Spiher, Freda Maude	Vandergrift
Stahlmann, Calla Loree	Vandergrift
Sterling, Margaret Roney	Ingram
Stitt, Vivian Jane	Vandergrift
Stuckslager, Helen Beam	McKeesport
Taggart, Mabel Cynthia	Pittsburgh
Taylor, Ruby Myrtle	Pittsburgh
Wayne, Sylvia	Braddock
Wehling, Elsie Dean	Bellevue
Welling, Margherita	Pittsburgh
Wertenbach, Marguerite Marie	McKeesport
Weston, Anna Mildred	Gallitzen
Wickersham, Olive Myrtle	Pittsburgh
Wilson, Grace McMaster	Pittsburgh
Wilson, Anne Daft	Crafton
Woodburn, Olive Frances	Pittsburgh
Young, Sara Molière	Crafton

VOICE

Aiken, Ruth Thompson	Pittsburgh
Bickel, Florence Emma	Pittsburgh
Blakeslee, Clarissa Reta	Manorville
Bonsall, Margaret	Pittsburgh
Browarsky, Sadie	Pittsburgh
Calvert, Jean Armour	Charleroi
Curtner, Flo Wilma	Carlisle, Ind.
Donovan, Mary Amelia	Pittsburgh
Graham, Eunice Bream	Wheeling, W. Va.
Hecht, Celia	Braddock
Kerr, Helen Hall	Pittsburgh
Larimer, Anna Irene	West Newton
Lofink, Edna Margaret	Pittsburgh
Rea, Marianne	Pittsburgh
Rosenfield, Hermoine	Pittsburgh
Sands, Martha Josephine	Pittsburgh
Shurmer, Lena Lucile	West View
Sterling, Margaret Roney	Ingram
Smith, Ionia Fairchild	Clarksburg, W. Va.
West, Lillian Gray	Pittsburgh
Wickersham, Olive Myrtle	Pittsburgh

ORGAN

Bonsall, Margaret	Pittsburgh
Crowe, Mabel Florence	Pittsburgh
Homer, Susie Iona	Mercer

Smith, Ionia Fairchild	Clarksburg, W. Va.
Stuckslager, Helen Beam	McKeesport
Wehling, Elsie Dean	Pittsburgh

VIOLIN

Peck, Ruth	Concordia, Kansas
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HARMONY

Crandall, Evelyn Frances	Warren
Crowe, Mabel Florence	Pittsburgh
Duff, Helen Clare	Aspinwall
Geiselhart, Emma Henriette	Pittsburgh
Greene, Margaret	Hoosick Falls, N. Y.
Homer, Susie Iona	Mercer
Horst, Amelia Ursula	Pittsburgh
Layman, Lucy Abbott	Pittsburgh
Leedom, Aurora Fansler	Columbia, Mo.
Smith, Ionia Fairchild	Clarksburg, W. Va.
Taylor, Ruby Irene	Pittsburgh
Wehling, Elsie Dean	Pittsburgh
Weston, Anna Mildred	Gallitzen
Woodburn, Olive Frances	Pittsburgh





